

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

## Product Datasheet

### Recombinant Human Cystine/glutamate transporter (SLC7A11) (Active) BYT-ORB1096292

|                            |                                                                                                                                                                                                                                    |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | Recombinant Human Cystine/glutamate transporter (SLC7A11) (Active)                                                                                                                                                                 |
| Biozol Catalog Number      | BYT-ORB1096292                                                                                                                                                                                                                     |
| Supplier Catalog Number    | orb1096292                                                                                                                                                                                                                         |
| Alternative Catalog Number | BYT-ORB1096292-20,BYT-ORB1096292-100                                                                                                                                                                                               |
| Manufacturer               | Biorbyt                                                                                                                                                                                                                            |
| Category                   | Proteine/Peptide                                                                                                                                                                                                                   |
| Product Description        | This Recombinant Human Cystine/glutamate transporter (SLC7A11) (Active) spans the amino acid sequence from region 1-501aa. Purity: Greater than 90% as determined by SDS-PAGE....                                                  |
| Molecular Weight           | 58.2 kDa                                                                                                                                                                                                                           |
| UniProt                    | <a href="#">Q9UPY5</a>                                                                                                                                                                                                             |
| Buffer                     | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0. |
| Source                     | Homo sapiens (Human)                                                                                                                                                                                                               |
| Purity                     | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                        |
| Form                       | Liquid or Lyophilized powder                                                                                                                                                                                                       |

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sequence          | MVRKPVVSTISKGGYLQGNVNGRLPSLGNKEPPGQEKVQLKRKVTLLRGVSIII<br>GTIIGAGIFISPKGVLQNTGSVGMSLTIWTVCGVLSLFGALSYAELGTTIKKSGG<br>HYTYILEVFGPLPAFVRVWVELLIIRPAATAVISLAFGRYILEPFFIQCEIPELAIKLI<br>TAVGITVVMVLNSMSVSWSARIQIFLTFCKLTAILIIIVPGVMQLIKGQTQNFKD<br>AFSGRDSSITRLPLAFYYGMYAYAGWFWYLNFB                                                                                                                                                                                                                                                                                                                                                                                                              |
| Application Notes | Biological Origin: Homo sapiens (Human). Biological Activity:<br>Measured by its binding ability in a functional ELISA. Immobilized<br>Human SLC7A11 at 2 µg/mL can bind Anti-SLC7A11 recombinant<br>antibody, the EC50 is 9.452-13.79 ng/mL. Application Notes: We<br>recommend that this vial be briefly centrifuged prior to opening to<br>bring the contents to the bottom. Please reconstitute protein in<br>deionized sterile water to a concentration of 0.1-1.0 mg/mL. We<br>recommend to add 5-50% of glycerol (final concentration) and<br>aliquot for long-term storage at -20°C/-80°C. Our default final<br>concentration of glycerol is 50%. Customers could use it as reference |