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## Product Datasheet

### Mouse GOLPH2 protein, His and GST tag, Unconjugated GTX00302-PRO

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|----------------------------|---|
| Article Name               | Mouse GOLPH2 protein, His and GST tag, Unconjugated   |
| Biozol Catalog Number      | GTX00302-PRO  |
| Supplier Catalog Number    | GTX00302-pro  |
| Alternative Catalog Number | GTX00302-PRO-10   |
| Manufacturer               | GeneTex   |
| Category                   | Proteine/Peptide  |
| Application                | FA  |
| Species Reactivity         | Mouse   |
| Conjugation                | Unconjugated  |
| NCBI                       | <a href="#">105348</a>  |
| UniProt                    | <a href="#">Q91XA2</a>  |
| Buffer                     | Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose, ProClin 300. |
| Expression System          | E. coli   |
| Form                       | Lyophilized powder  |
| Sequence                   | N-terminal His and GST-Tag, Ser133~Ser379 (NP_001030294.1)  |

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|-------------------|--|
| Application Notes | <p>Golgi Protein 73 (GP73) also known as Golgi phosphoprotein 2 or Golgi membrane protein GP73 is a protein that encoded by the GOLM1 gene. The Golgi complex plays a key role in the sorting and modification of proteins exported from the endoplasmic reticulum. It has been observed to be upregulated in response to viral infection. Besides, Dymeclin (DYM) has been identified as an interactor of GP73, thus a binding ELISA assay was conducted to detect the interaction of recombinant mouse GP73 and recombinant human DYM. Briefly, GP73 were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100 µl were then transferred to DYM-coated microtiter wells and incubated for 2h at 37C. Wells were washed with PBST and incubated for 1h with anti-GP73 pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37C. Finally, add 50 µl stop solution to the wells and read at 450nm immediately. The binding activity of of GP73 and DYM was in a dose dependent manner.</p> |
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