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## Product Datasheet

### Potassium Channel Toxin Alpha-KTx 21.1, Recombinant, Vaejovis mexicanus smithi, aa1-36, His-Tag, Myc-Tag USB-585851

|                            |                                                                                                                                                                                                                                                                           |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | Potassium Channel Toxin Alpha-KTx 21.1, Recombinant, Vaejovis mexicanus smithi, aa1-36, His-Tag, Myc-Tag                                                                                                                                                                  |
| Biozol Catalog Number      | USB-585851                                                                                                                                                                                                                                                                |
| Supplier Catalog Number    | 585851                                                                                                                                                                                                                                                                    |
| Alternative Catalog Number | USB-585851-20                                                                                                                                                                                                                                                             |
| Manufacturer               | US Biological                                                                                                                                                                                                                                                             |
| Category                   | Molekularbiologie                                                                                                                                                                                                                                                         |
| Product Description        | Selectively and irreversibly binds ( $K_d=2.9\mu\text{M}$ ) and blocks hKv1.3/KCNA3 potassium channels of human T-lymphocytes. Weakly blocks hKCa3.1/KCNN4, mKv1.1/KCNA1, and hKv1.2/KCNA2 channels. In vivo, high doses (200ug) produce no symptoms of intoxication w... |
| Molecular Weight           | 7.9                                                                                                                                                                                                                                                                       |
| UniProt                    | <a href="#">P0DJ31</a>                                                                                                                                                                                                                                                    |
| Purity                     | 90% (SDS-PAGE)                                                                                                                                                                                                                                                            |
| Form                       | Supplied as a lyophilized powder from 20mM Tris-HCl, 0.5M sodium chloride, pH 8.0, 6% trehalose. Reconstitute with sterile ddH <sub>2</sub> O to a concentration of 0.1-1mg/ml.                                                                                           |