



Recombinant *Vaejovis mexicanus smithi* Potassium channel toxin alpha-KTx 21.1

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| Product Code | CSB-YP317987VAK |
| Storage | The shelf life of liquid-form form is 6 months around at -20°C/-80°C. The shelf life of lyophilized form is 12 months around at -20°C/-80°C. |
| Uniprot No. | P0DJ31 |
| Product Type | Recombinant Protein |
| Immunogen Species | <i>Vaejovis mexicanus smithi</i> (Scorpion) (<i>Vaejovis smithi</i>) |
| Purity | >85% (SDS-PAGE) |
| Sequence | AAAIscVGSP ECPPKCRAQG CKNGKCMNRK CKCYYC |
| Source | Yeast |
| Protein Names | Recommended name: Potassium channel toxin alpha-KTx 21.1 Alternative name(s): Toxin Vm24 |
| Expression Region | 1-36 |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | Tag type will be determined during the manufacturing process. |
| Protein Length | full length protein |
| Reconstitution | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |
| Shelf Life | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |