

Recombinant Mouse Cripto/TDGF1 Protein

RPCB0020

Description

This high-purity Recombinant Mouse Cripto/TDGF1 Protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Protein Information

| | |
|-------------------------|---|
| SKU: | RPCB0020 |
| Contents: | 10 µg, 20 µg, 50 µg, 100 µg Bradford Reagent: 1 vial (2ml) |
| Synonyms: | Cripto, Tdgf1, Teratocarcinoma-derived growth factor, Cripto growth factor, Epidermal growth factor-like Cripto protein |
| Species: | Mouse |
| Gene ID: | 21667 |
| Expression Host: | - |
| Tags: | C-His |
| Calculated MW: | 14.75 kDa |
| Observed MW: | 20-25 kDa |
| Purification: | ≥ 90 % as determined by SDS-PAGE. |
| Endotoxin: | < 0.1 EU/µg of the protein by LAL method. |
| Formulation: | Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. |
| Bio- Activity: | - |

Preparation & Storage

Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

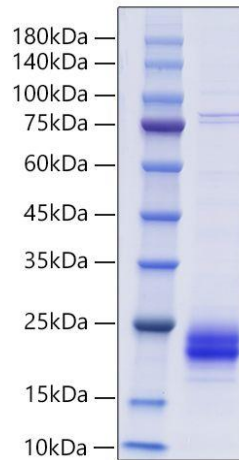
Storage: Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Store Bradford Reagent at Room Temperature for 1 Year.

Reconstitution: Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol.

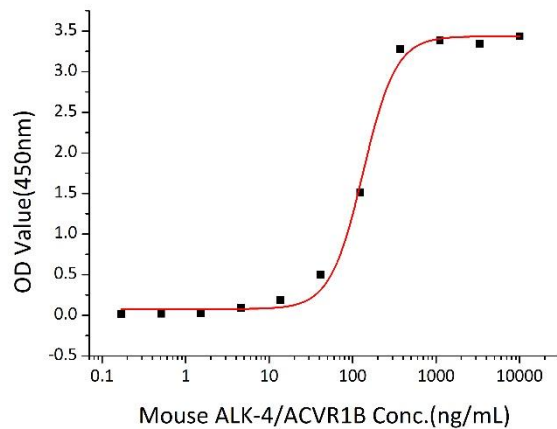
Validation Data

Image



Description

Recombinant Mouse Cripto/TDGF1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Measured by its binding ability in a functional ELISA. Immobilized Mouse TDGF1 (RPCB0020) at 5 $\mu\text{g/mL}$ (100 $\mu\text{L/well}$) can bind Mouse ALK4(RPCB1100) with a linear range of 4.5-133.2 ng/mL.