

RP01946

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# Recombinant Mouse Cripto/TDGF1 Protein

Catalog No.: RP01946 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	21667	P51865

### Tags

C-His

### Synonyms

Cripto; Tdgf1 , Teratocarcinoma-derived growth factor; Cripto growth factor; Epidermal growth factor-like Cripto protein

## Product Information

Source	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.

### 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.

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Background

Cripto/TDGF1 is a member of the epidermal growth factor (EGF)- Cripto, Frl-1, and Cryptic (CFC) family. TDGF1 is an extracellular, membrane-bound signaling protein that plays an essential role in embryonic development and tumor growth. It is overexpressed in many types of cancers and acts as a growth factor for tumors. Cripto mutants display defects in mesoderm induction and heart morphogenesis, similar to phenotypes seen in Nodal mutants. Cripto can also activate mitogen-activated protein kinase (MAPK) and Akt pathways independently of Nodal by directly binding to a membrane-associated heparan sulfate proteoglycan, glypican-1.

## Basic Information

### Description

Recombinant Mouse Cripto/TDGF1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Arg26-Gln150) of Mouse Cripto/TDGF1(Accession #NP\_035692.2) fused with a His tag at the C-terminus.

### Bio-Activity

### Shipping

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

### Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

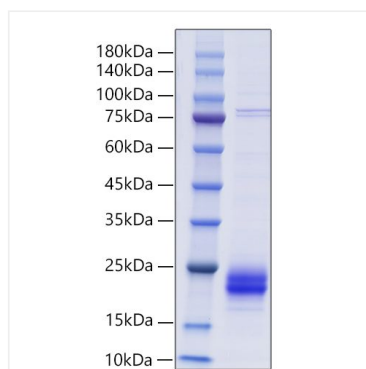
### Storage

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. Avoid repeated freeze/thaw cycles.

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## Validation Data

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