

RP00449

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Recombinant Human Teratocarcinoma-derived growth factor 1/TDGF1 Protein

Catalog No.: RP00449

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	6997	P13385

Tags

C-Fc

Synonyms

TDGF1;CR;CRGF;CRIPTO

Product Information

Source

HEK293 cells

Purification

> 95% by SDS-PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

This protein belongs an epidermal growth factor-related protein that contains a cripto, FRL-1, and cryptic domain. The encoded protein is an extracellular, membrane-bound signaling protein that plays an essential role in embryonic development and tumor growth. Mutations in this gene are associated with forebrain defects. Pseudogenes of this gene are found on chromosomes 2, 3, 6, 8, 19 and X. Alternate splicing results in multiple transcript variants.

Basic Information

Description

Recombinant Human Teratocarcinoma-derived growth factor 1/TDGF1 Protein is produced by Human Cell expression system. The target protein is expressed with sequence (Leu31-Ser169) of human Teratocarcinoma-derived growth factor 1/TDGF1 (Accession #P13385) fused with an Fc tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human Activin RIB/ALK-4 Fc Chimera at 2 μg/mL (100 μL/well) can bind Recombinant Human Cripto-1 with a linear range of 0.8-100 ng/mL.

Storage

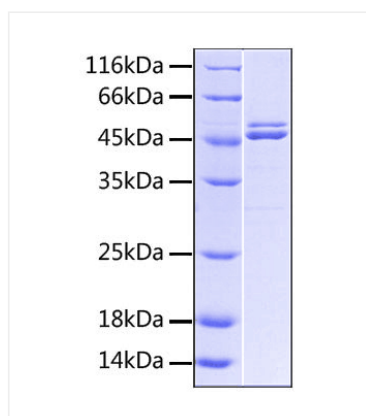
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant protein Human
Teratocarcinoma-derived growth factor
1/TDGF1 was determined by SDS-PAGE
under reducing conditions with Coomassie
Blue, showing bands at 47 kDa and 53 kDa.