

Recombinant Human TDGF1 Protein (Fc Tag)

Catalog No. PKSH033100

Note: Centrifuge before opening to ensure complete recovery of vial contents.

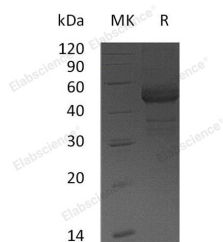
Description

Synonyms	Teratocarcinoma-derived growth factor 1;Cripto-1 growth factor;CRGF;Epidermal growth factor-like cripto protein CR1;TDGF1;CRIPTO
Species	Human
Expression Host	HEK293 Cells
Sequence	Leu31-Ser169
Accession	P13385
Calculated Molecular Weight	42.8 kDa
Observed molecular weight	40-60 kDa
Tag	C-Fc
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Teratocarcinoma-derived growth factor 1(TDGF1) is a Cell membrane protein and contains 1 EGF-like domain. The

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protein plays an essential role in embryonic development and tumor growth. Mutations in this gene are associated with forebrain defects. It also may play a role in the determination of the epiblastic cells that subsequently give rise to the mesoderm.