

Recombinant Human TDGF1 protein, Fc-tagged

Cat. No. TDGF1-497H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TDGF1 (Leu31-Thr172) protein was fused to human IgG1 Fc tag at C-terminus and expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	Leu31-Thr172
Description	Teratocarcinoma-derived growth factor 1 (TDGF1) is also known as Cripto-1 growth factor (CRGF), Epidermal growth factor-like cripto protein CR1, CRIPTO, is a cell membrane which contains one EGF-like domain. TDGF1 is preferentially expressed in gastric and colorectal carcinomas than in their normal counterparts. TDGF1 interacts with the activin type-1 receptor ACVR1B. TDGF1 could play a role in the determination of the epiblastic cells that subsequently give rise to the mesoderm.
Predicted N Terminal	Leu31
Form	Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 42.6 kDa. The protein migrates as 44-55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.

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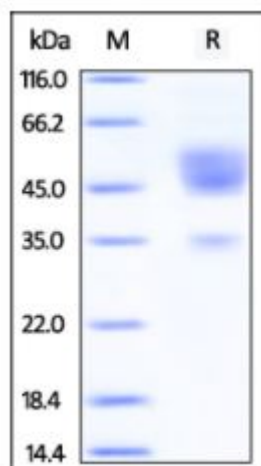
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GENE INFORMATION	
Gene Name	TDGF1
Official Symbol	TDGF1
Synonyms	TDGF1; teratocarcinoma-derived growth factor 1; CR; CRIPTO; Cripto 1; cripto-1 growth factor; epidermal growth factor-like cripto protein CR1; CRGF
Gene ID	6997
mRNA Refseq	NM_001174136
Protein Refseq	NP_001167607
MIM	187395
UniProt ID	P13385

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**SDS-PAGE of
TDGF1-497H**



Human TDGF1, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.