Datasheet for ABIN7504538

TDGF1 Protein (AA 31-172) (His tag)

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Overview

Quantity:	100 µg
Target:	TDGF1
Protein Characteristics:	AA 31-172
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TDGF1 protein is labelled with His tag.

Product Details

Purpose:	Human TDGF1/Cripto Protein
Sequence:	Leu31-Thr172
Characteristics:	Recombinant Human TDGF1/Cripto Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Leu31-Thr172.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	TDGF1
Alternative Name:	TDGF1 (TDGF1 Products)

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Target Details

Background:	TDGF1 (CRIPTO) is a member of the epidermal growth factor-Cripto-1/FRL-1/Cryptic (EGF/CFC) gene family and an obligate co-receptor involved in NODAL signaling, a developmental program implicated in midline, forebrain, and left-right axis development in model organisms. Cripto-1 is enriched in a subpopulation of embryonal, melanoma, prostate, and pancreatic cancer cells that possess stem-like characteristics. Therefore, Cripto-1 may play a role during developmental EMT, and it may also be involved in the reprogramming of differentiated tumor cells into cancer stem cells through the induction of an EMT program.
Molecular Weight:	16.92 kDa. Due to glycosylation, the protein migrates to 23-30 kDa based on Tris-Bis PAGE result.
UniProt:	P13385
Pathways:	EGFR Signaling Pathway

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

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