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Datasheet for ABIN7198209 TDGF1 Protein (Fc Tag)

Image



Overview

Quantity:	50 µg
Target:	TDGF1
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TDGF1 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Rat TDGF1 Protein (Fc Tag)
Sequence:	Met 1-Cys 143
Characteristics:	A DNA sequence encoding the rat TDGF1 (XP_001056317.2) (Met 1-Cys 143) was fused with the Fc region of human IgG1 at the C-terminus.
Purity:	> 90 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per μ g of the protein as determined by the LAL method

Target Details

Target:	TDGF1
Alternative Name:	TDGF1 (TDGF1 Products)
Background:	Background: Cripto/TDGF1 is a member of the epidermal growth factor (EGF)- Cripto, Frl-1, and Cryptic (CFC) family. EGF-CFC family member proteins share a variant EGF-like motif, a
	conserved cysteine-rich domain, and a C-terminal hydrophobic region. Before gastrulation,

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	Cripto is asymmetrically expressed in a proximal–distal gradient in the epiblast, and
	subsequently is expressed in the primitive streak and newly formed embryonic mesoderm.
	These proteins play key roles in intercellular signaling pathways during vertebrate
	embryogenesis. Mutations in Cripto/TDGF1 can cause autosomal visceral heterotaxy.
	Cripto/TDGF1 is involved in left-right asymmetric morphogenesis during organ development.
	Cripto signalling is essential for the conversion of a proximal–distal asymmetry into an
	orthogonal anterior-posterior axis. The mechanism of inhibitory effects of the Cripto includes
	both cancer cell apoptosis, activation of c-Jun-NH(2)-terminal kinase and p38 kinase signaling
	pathways and blocking of Akt phosphorylation. Thus, Cripto is a unique target, and
	Immunohistochemistry to Cripto could be of therapeutic value for human cancers.
	Synonym: FGFR-4
Molecular Weight:	41 kDa
NCBI Accession:	XP_001056317
Pathways:	EGFR Signaling Pathway
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	
	4 0,-20 0,-80 0
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
Storage Comment:	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
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Image 1.

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