Product datasheet for TP761899

Cripto1 (TDGF1) (NM_003212) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human teratocarcinoma-derived growth factor 1 (TDGF1), full length, with N-terminal GST and C-terminal His tag, expressed in E. coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding human full-length TDGF1
Tag:	N-GST and C-His
Predicted MW:	45.7 kDa
Concentration:	>0.05 μg/μL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_003203
Locus ID:	6997
UniProt ID:	P13385
RefSeq Size:	2174
Cytogenetics:	3p21.31
RefSeq ORF:	564
Synonyms:	CR; CR-1; CRGF; CRIPTO

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Summary:	This gene encodes 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. [provided by RefSeq, Mar 2010]
Protein Families:	Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Stem cell - Pluripotency, Transmembrane

Product images: