

Active Recombinant Human TDGF1 protein, T7/His-tagged

Cat. No. TDGF1-78H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Cripto-1 cDNA (31-150aa, isoform-1, derived from BC067844) fused with T7-His-TEV cleavage site Tag (29aa) at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	31-150 a.a.
Form	0.2 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
Bio-activity	Measured by its binding ability in a functional ELSA. Immobilized recombinant human Nodal protein at 2ug/ml (100ul/well) can bind rhCripto-1 with a linear range of 0.5-100 ng/ml.
AA Sequence	MASMTGGQQMGRGHHHHHHGNLYFQGGEFLGHQEFARPSRGYLAFRDDSIWPQ EEPAIRPRSSQRVPPMGIQHSK ELNRTCCLNGGTCMLGSFCACPPSFYGRNCEHD VRKENCGSVPHDTWLPKKCSLCKCWHGQLRCFPQAFLPGCD
Purity	>90% by SDS-PAGE
Applications	1. May be used for in vitro Cripto-1/Nodal signaling pathway regulations study for mesoderm differentiation.2. Potential biomarker protein for various cancer diagnostic

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developments.3. May be used as antigen for specific antibody production.

Storage

Keep at -80centigrade for long term storage. Product is stable at 4 centigrade for at least 30 days.

GENE INFORMATION

Gene Name

TDGF1 teratocarcinoma-derived growth factor 1 [Homo sapiens]

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
UniProt ID

P13385

Chromosome Location

3p21.31

Pathway

Developmental Biology, organism-specific biosystem; Glypican 1 network, organism-specific biosystem; Regulation of Signaling by NODAL, organism-specific biosystem; Signaling by NODAL, organism-specific biosystem;

Function

growth factor activity; protein binding; receptor binding;

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