

# Active Recombinant Human TDGF1

**Cat. No.** TDGF1-526H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human TDGF1 (Accession # NP_003203) Leu31-Thr172 & Ser63-Thr172, fused with , was produced in Spodoptera frugiperda, Sf 21 (baculovirus)-derived.
<b>Species</b>	Human
<b>Source</b>	Sf21 Cells
<b>ProteinLength</b>	Leu31-Thr172 & Ser63-Thr172
<b>Predicted N Terminal</b>	Leu31 & Ser63
<b>Form</b>	Lyophilized from a 0.2 µ filtered solution in PBS with BSA as a carrier protein.
<b>Bio-activity</b>	Measured by its binding ability in a functional ELISA. Immobilized rhActivin RIB/Fc Chimera at 2 µg/mL (100 µl/well) can bind rhCripto-1 with a linear range of 0.8-100 ng/mL. This protein will also bind rmNodal in a functional ELISA.
<b>Molecular Mass</b>	Recombinant Human TDGF1 has a calculated MW of 16 kDa & 13 kDa. In SDS-PAGE migrates as 16-20 kDa, reducing conditions.
<b>Purity</b>	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3

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months (-70°C).

**GENE INFORMATION**

<b>Gene Name</b>	TDGF1 teratocarcinoma-derived growth factor 1 [ Homo sapiens ]
<b>Official Symbol</b>	TDGF1
<b>Synonyms</b>	TDGF1; teratocarcinoma-derived growth factor 1; CR; CRIPTO; Cripto 1; cripto-1 growth factor; epidermal growth factor-like cripto protein CR1; CRGF;
<b>Gene ID</b>	6997
<b>mRNA Refseq</b>	NM_001174136
<b>Protein Refseq</b>	NP_001167607
<b>MIM</b>	
<b>UniProt ID</b>	P13385
<b>Chromosome Location</b>	3p21.31

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