

Recombinant Human cripto, EGF-CFC family member Protein, His&Flag tagged

Cat. No. CRIPTO-023H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human Cripto-1/TDGF1 protein (P13385) (Leu 31-Asp 150) with both His and Flag tag at the C-terminus was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	31-150aa
Description	Teratocarcinoma-derived growth factor (TDGF)-1 gene encodes a protein known as cripto-1 (Cripto). GPI-anchored cell membrane protein involved in Nodal signaling. Cell-associated TDGF1 acts as a Nodal coreceptor in cis. Shedding of TDGF1 by TMEM8A modulates Nodal signaling by allowing soluble TDGF1 to act as a Nodal coreceptor on other cells. Cripto is first expressed in the forming mesoderm during gastrulation but later in development the expression is restricted to the truncus arteriosus of the developing heart. This suggests that Cripto mediates the progression of epiblastic cells that give rise to the mesoderm. In the adult animal it is expressed at low levels in the spleen, heart, lung and brain. Cripto overexpression is characteristic of human gastric and colorectal carcinomas.
Tag	C-His&Flag
Molecular Mass	16.3 kDa

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Endotoxin	Less than 1.0 EU/μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
Reconstitution	Reconstitute at 250 μg/mL in sterile water.

GENE INFORMATION

Gene Name	CRIPTO cripto , EGF-CFC family member [Homo sapiens (human)]
Official Symbol	CRIPTO
Synonyms	CRIPTO; cripto, EGF-CFC family member; CR; CR-1; CRGF; TDGF1; protein Cripto; cripto-1 growth factor; epidermal growth factor-like cripto protein CR1; teratocarcinoma-derived growth factor 1
Gene ID	6997
mRNA Refseq	NM_001174136
Protein Refseq	NP_001167607
MIM	187395

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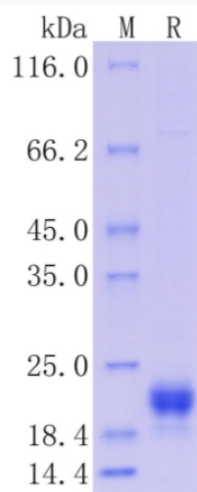
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UniProt ID

P13385

Protein on SDS-
PAGE under
reducing (R)
condition.



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