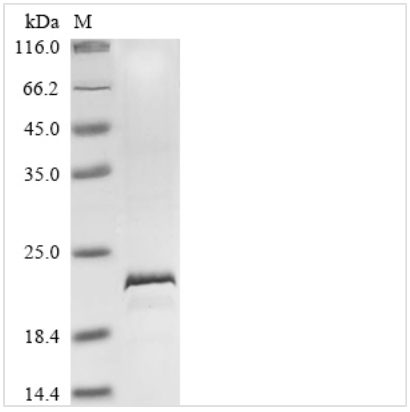
Recombinant Human Putative teratocarcinoma-derived growth factor 3 (TDGF1P3)

Product Code	CSB-EP344744HU
Abbreviation	Recombinant Human TDGF1P3 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P51864
Storage Buffer	Tris-based buffer,50% glycerol
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	LGHQEFARPSRGDLAFRDDSIWPQEEPAIRPRSSQRVLPMGIQHSKELNRTC CLNGGTCMLESFCACPPSFYGRNCEHDVRKENCGSVPHDTWLPKKCSLCKC WHGQLRCFPQAFLPGCDGLVMDEHLVASRTPELPPSARTTTFMLAGICLSIQS YY
Research Area	Others
Source	E.coli
Target Names	TDGF1P3
Protein Names	Recommended name: Putative teratocarcinoma-derived growth factor 3Alternative name(s): Cripto-3 growth factor Epidermal growth factor-like cripto protein CR3 Teratocarcinoma-derived growth factor 1 pseudogene 3
Expression Region	31-188aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	21.9 kDa
Protein Length	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Human Putative teratocarcinoma-derived growth factor 3 (TDGF1P3) amino acids (31-188) with a 6xHis-tag at the N-terminus were expressed in E. coli. The resulting protein is the recombinant full-length of mature human TDGF1P3 protein. Its purity is greater than 85% measured by SDS-PAGE analysis. It has a calculated molecular weight of 21.9 kDa. This recombinant TDGF1P3 protein may be used to generate specific antibodies or in the studies of TDGF1P3-related signal transduction.

TDGF1P3 could play a role in the determination of the epiblastic cells that subsequently generate the mesoderm. It is also involved in the activation of the Nodal-dependent signaling pathway, which is essential for regional and cellular differentiation during embryonic development.

Shelf Life

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