

Recombinant Human transmembrane protein with EGF-like and two follistatin-like domains 1, His-tagged

Cat. No. TMEFF1-535H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TMEFF1, 40-330aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	40-330 a.a.
Description	TMEFF1, also known as tomoregulin-1, is a type I transmembrane glycoprotein. This protein contains two follistatin modules and an EGF domain in its extracellular domain, a transmembrane domain and a short cytoplasmic tail. The extracellular domain of TMEFF1 can be released as a soluble protein. TMEFF1 is predominantly expressed in brain, but is downregulated in brain neoplasms. TMEFF1 selectively regulates nodal but not activin signaling through direct binding to the nodal co-receptor, Cripto. Recombinant human TMEFF1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol.
Molecular Mass	33.9 kDa (314aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSSNQPPGG GGGSGGDCPG GKGKSINCSE LNVRES DVRV CDESSCKYGG VCKEDGDGLK CACQFQCHTN YIPVCGSNGD

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TYQNECFLRR AACKHQKEIT VIARGPCYSD NGS GS GEGEE EGSGAEVHRK
 HSKCGPCKYK AECEDEAENV GCVCNIDCSG YSFNPVCASD GSSYNNPCFV
 REASCIKQEQ IDIRHLGHCT DTDDTSLLGK KDDGLQYRPD VKDASDQRED
 VYIGNHMPCP ENLNGYCIHG KCEFIYSTQK ASCRCESGYT GQHCEKTD FS
 ILYVPSRQK LTHV

Purity >90% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name TMEFF1 transmembrane protein with EGF-like and two follistatin-like domains 1 [Homo sapiens]

Official Symbol TMEFF1

Synonyms TMEFF1; transmembrane protein with EGF-like and two follistatin-like domains 1; C9orf2; tomoregulin-1; cancer/testis antigen family 120; member 1; CT120.1; H7365; tomoregulin 1; cancer/testis antigen family 120, member 1; transmembrane protein with EGF-like and one follistatin-like domain; TR-1;

Gene ID 8577

mRNA Refseq NM_003692

Protein Refseq NP_003683

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MIM	603421
UniProt ID	Q8IYR6
Chromosome Location	9q31

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