

AR50874PU-S

Human Tomoregulin-1 / TMEFF1 (40-330, His-tag) - Purified

Alternate names:

C9orf2, Transmembrane protein with EGF-like and one follistatin-like domain

Quantity:

0.1 mg

Concentration:

0.25 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[Q8IYR6](#)

NCBI:

[NP_003683](#)

GeneID:

[100526694](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol.

Description:

Recombinant human TMEFF1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSSNQPPGG GGGSGGDCPG GKGKSINCSE LNVRES DVRV
CDESSCKYGG VCKEDGDGLK CACQFQCHTN YIPVCGSNGD TYQNECFLRR AACKHQKEIT
VIARGPCYSD NGSGSGEGEE EGSGAEVHRK HSKCGPCKYK AECEDEAENV GCVCNIDCSG
YSFNPVCASD GSSYNNPCFV REASCIKQEQ IDIRHLGHCT DTDDTSLGK KDDGLQYRPD
VKDASDQRED VYIGNHMPCP ENLNGYCIHG KCEFIYSTQK ASCRCESGYT GQHCEKTD FS
ILYVVPSRQK LTHV

Molecular weight: 33.9 kDa (314aa) confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Gery S, Yin D, et al. (2003). Oncogene. 22(18):2723-7. Harms PW, et al. (2003). Genes Dev. 17(21):2624-9.

Pictures:

