

Recombinant human TMEFF1/Tomoregulin-1 protein

Catalog Number: ATGP2050

PRODUCT INFORMATION

Expression system

E.coli

Domain

40-330aa

UniProt No.

Q8IYR6

NCBI Accession No.

NP_003683.2

Alternative Names

Tomoregulin-1, C9orf2, CT120.1, H7365, TR-1

PRODUCT SPECIFICATION

Molecular Weight

33.9 kDa (314aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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chromatography techniques.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>SNQPPGG GGGSGGDPCG GKGKSINCSE LNVRES DVRV CDESSCKYGG
VCKEDGDGLK CACQFQCHTN YIPVCGSNGD TYQNECFLRR AACKHQKEIT VIARGPCYSD NGSGSGEGEE EGSGAEVHRK
HSKCGPCKYK AECDEDAENV GCVCNIDCSG YSFNPVCASD GSSYNNPCFV REASCIKQEQ IDIRHLGHCT DTDDTSLLGK
KDDGLQYRPD VKDASDQRED VYIGNHMPCP ENLNGYCIHG KCEFIYSTQK ASCRCESGYT GQHCEKTDfs ILYVVPSRQK
LTHV

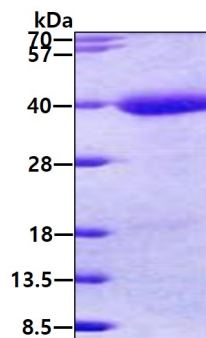
General References

Gery S, Yin D, et al. (2003). *Oncogene*. 22(18):2723-7.

Harms PW, et al. (2003). *Genes Dev*. 17(21):2624-9.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.