

**TMEFF1, 40-330aa, Human, His tag, E.coli**

**Cat.NO.: TP04234**

3th Edition

**Synonyms:** Tomoregulin-1, C9orf2, CT120.1, H7365, TR-1

**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 Weight:** 33.9 kDa (314aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSSNQPPGGGGGSGGDCPGGKGSINCSELVRESVVRVCDDESSCKYGGVC  
KEDGDGLKACQFQCHTNYIPVCGSNGDTYQNECFLRRAACKHQKEITVIARGPCYSDNGSGSGEGEEEGSGAE  
VHRKHSKCGPCKYKAECDEDAENVGVCNIDCSGYSFNPVCASDGSSYNNPCFVREASCIKQEIQIDIRHLGHCTD  
TDDTSLGKKDDGLQYRPDVKDASDQREDVYIGNHMPCPENLNGYCIHGKCEFIYSTQKASCRCESGYTGQHCEK  
TDFSILYVVPSRQKLTHV

**Purity:** > 95% by HPLC

**Concentration:** 0.25 mg/ml (determined by Bradford assay)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

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