

## 32-5094: Recombinant Human TMEFF1

**Alternative Name** C9orf2,CT120.1,H7365,TR-1,Tomoregulin-1,Transmembrane protein with EGF-like and one follistatin-like domain,TMEFF1.

### Description

Source : E.coli. TMEFF1 Human Recombinant produced in E. coli is a single polypeptide chain containing 314 amino acids (40-330) and having a molecular mass of 33.9kDa. TMEFF1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. TMEFF1 is a type I transmembrane glycoprotein which includes 2 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 primarily 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. TMEFF inhibits NODAL and BMP signaling through neural patterning and also a possible tumor suppressor in brain cancers.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 90% as determined by SDS-PAGE.
<b>Content :</b>	The TMEFF1 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl and 10% glycerol.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MGSSNQPPGG GGGSGGDCPG GKGKSINCSE LNVRES DVRV CDESSCKYGG VCKEDGDGLK CACQFQCHTN YIPVCGSNGD TYQNECFLRR AACKHQKEIT VIARGPCYSD NGSGSGEGEE EGSGAEVHRK HSKCGPCKYK AECEDEAENV GCVCNIDCSG YSFNPVCASD GSSYNNPCFV REASCIKQEQ IDIRHLGHCT DTDDTSLLGK KDDGLQYRPD VKDASDQRED VYIGNHMPCP ENLNGYCIHG KCEFIYSTQK ASCRCESGYT GQHCEKTD FS ILYVVPSRQK LTHV.