# Recombinant Human Tomoregulin-1 (TMEFF1), partial

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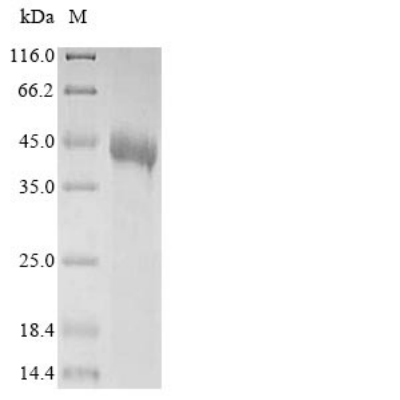
| **Product Code** | CSB-EP818263HU |
| **Relevance** | May inhibit NODAL and BMP signaling during neural patterning. May be a tumor suppressor in brain cancers. |
| **Abbreviation** | Recombinant Human TMEFF1 protein, partial |
| **Storage** | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |
| **Uniprot No.** | Q8IYR6 |
| **Product Type** | Recombinant Protein |
| **Immunogen Species** | Homo sapiens (Human) |
| **Purity** | Greater than 85% as determined by SDS-PAGE. |
| **Sequence** | SNQPPGGGGGSGGDCPGGKGKSINCSELNVRESDVRVCDESSCKYGGVCK EDGDGLKCACQFQCHTNYIPVCGSNGDTYQNECFLRRAACKHQKEITVIARG PCYSDNGSGSGEGEEEGSGAEVHRKHSKCGPCKYKAECDEDAENVGCVCNI DCSGYSFNPVCASDGSSYNNPCFVREASCIKQEQIDIRHLGHCTDTDDTSLLG KKDDGLQYRPDVKDASDQREDVYIGNHMPCPENLNGYCIHGKCEFIYSTQKA SCRCESGYTGQHCEKTDFSILYVVPSRQKLTHV |
| **Research Area** | others |
| **Source** | E.coli |
| **Target Names** | TMEFF1 |
| **Protein Names** | H7365 Transmembrane protein with EGF-like and one follistatin-like domain C9orf2 |
| **Expression Region** | 40-330aa |
| **Notes** | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| **Tag Info** | N-terminal 10xHis-tagged and C-terminal Myc-tagged |
| **Mol. Weight** | 38.5 kDa |
| **Protein Length** | Partial |
| **Image** | |




(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

## Description

Amino acids 40-330 form the expressed segment for recombinant Human TMEFF1. This TMEFF1 protein is theoretically predicted to have a molecular weight of 38.5 kDa. This protein is generated in a e.coli-based system. Fusion of the N-terminal 10xHis tag and C-terminal Myc tag into the TMEFF1 encoding gene fragment was conducted, allowing for easier detection and purification of the TMEFF1 protein in subsequent stages.

Human tomoregulin-1 (TMEFF1) functions as a transmembrane protein involved in cellular signaling and modulation of cell growth. The primary function of TMEFF1 includes influencing intracellular pathways related to cell proliferation and differentiation. Investigating TMEFF1 provides insights into cellular processes, cancer biology, and neurodevelopmental mechanisms. In cancer research, TMEFF1's aberrant expression is associated with various cancers, making it a potential biomarker and therapeutic target. In neurobiology, TMEFF1 is implicated in neuronal differentiation and development.

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## Shelf Life

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