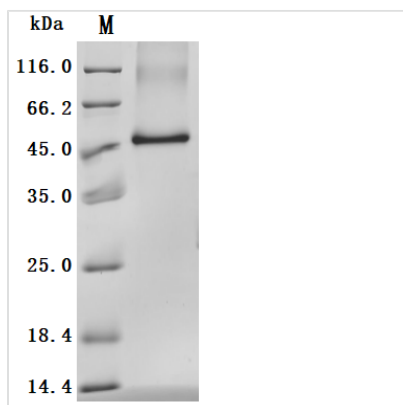


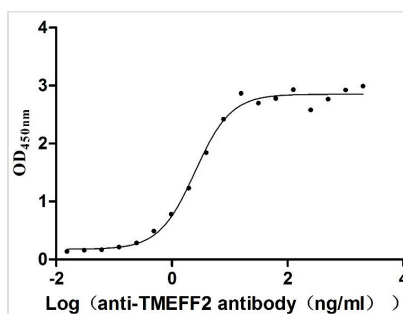


Recombinant Human Tomoregulin-2 (TMEFF2), partial (Active)

Product Code	CSB-MP883439HU
Abbreviation	Recombinant Human TMEFF2 protein, partial (Active)
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.	Q9UIK5
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human TMEFF2 at 2 µg/mL can bind Anti-TMEFF2 recombinant antibody (CSB-RA883439MA1HU), the EC50 is 2.129-2.956 ng/mL.
Purity	Greater than 95% as determined by SDS-PAGE.
Sequence	FPTSLSDCQTPTGWNC SGYDDRENDLFLCDTNTCKFDGECRLRIGDTVTCVCQ FKCNDYVPVCGSNGESYQNECYLRQAACKQQSEILVSEGS CATDAGSGS GDGVHEGSGETSQKETSTCDICQFGAECDEDAEDVWCVCNIDCSQTNFNPLC ASDGKSYDNACQIKEASCQKQEKIEVMSLGRCQDNTTTTTSKEDGHYARTDY AENANKLEESAREHHIPCPEHYNGFCMHGKCEHSINMQEPSCRC DAGYTGQ HCEKKDYSVLVVP GPVRFQYV
Research Area	other
Source	Mammalian cell
Target Names	TMEFF2
Expression Region	41-320aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal 10xHis-tagged
Mol. Weight	32.3 kDa
Protein Length	Partial
Image	



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



Activity
Measured by its binding ability in a functional ELISA. Immobilized Human TMEFF2 at 2 µg/mL can bind Anti-TMEFF2 recombinant antibody (CSB-RA883439MA1HU), the EC₅₀ is 2.129-2.956 ng/mL.

Description

This Human TMEFF2 recombinant protein was produced in mammalian cell, where the gene sequence encoding Human TMEFF2 (41-320aa) was expressed with the C-terminal 10xHis tag. The purity of this TMEFF2 protein was greater than 95% by SDS-PAGE. The activity was validated.

TMEFF2, also known as TR-2, TPEF, HPP1, TENB2, is a member of the epidermal growth factor (EGF) family and was first isolated from human gastric fibroblasts by Uchida et al. It contains 1 EGF-like domain and 2 follistatin-like domains, and is a highly conserved transmembrane protein. TMEFF2 protein is abnormally expressed in various malignant tumors, and plays different roles in different types of tumors. TMEFF2 is closely related to the occurrence and development of various malignant tumors such as esophageal cancer, gastric cancer, colorectal cancer, gallbladder cancer, prostate cancer, bladder cancer, and endometrial cancer, suggesting that TMEFF2 has the potential to become a tumor-specific marker.

Endotoxin

Less than 1.0 EU/ug as determined by LAL method.

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

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.