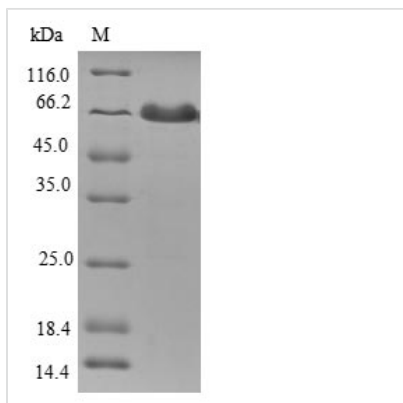




Recombinant Human Tropomodulin-1 (TMOD1)

| | |
|--------------------------|---|
| Product Code | CSB-EP023909HU |
| Relevance | Blocks the elongation and depolymerization of the actin filaments at the pointed end. The Tmod/TM complex contributes to the formation of the short actin protofilament, which in turn defines the geometry of the membrane skeleton. May play an important role in regulating the organization of actin filaments by preferentially binding to a specific tropomyosin isoform at its N-terminus. |
| Abbreviation | Recombinant Human TMOD1 protein |
| 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. | P28289 |
| Alias | Erythrocyte tropomodulin |
| Product Type | Recombinant Protein |
| Immunogen Species | Homo sapiens (Human) |
| Purity | ≥ 90% as determined by SDS-PAGE. |
| Sequence | MSYRRELEKYRDLDEDEILGALTEELRTLLENELDELDPDNALLPAGLRQKDQ TTKAPTGPFFKREELLDHLEKQAKEFKDREDLVPYTGEKRGKVVWPKQKPLDP VLESVTLEPELEEALANASDAELCDIAAILGMHTLMSNQQYYQALSSSSIMNKE GLNSVIKPTQYKVPVDEEPNSTDVEETLERIKNNDPKLEEVLNINIRNIPIPTLKA YAEALKENSYVKKFSIVGTRSNDPVAYALAEMLKENVLKLTLNVESNFISGAGIL RLVEALPYNTSLVEMKIDNQSQPLGNKVEMEIVSMLEKNATLLKFGYHFTQQG PRLRASNAMMNNDLVRKRRRLADLTGPIIPKCRSGV |
| Research Area | others |
| Source | E.coli |
| Target Names | TMOD1 |
| Protein Names | Recommended name: Tropomodulin-1 Alternative name(s): Erythrocyte tropomodulin Short name= E-Tmod |
| Expression Region | 1-359aa |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | N-terminal GST-tagged |
| Mol. Weight | 67.6kDa |
| Protein Length | Full Length |
| Image | |



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

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.