



# Recombinant Human Tropomodulin-1 (TMOD1)

<b>Product Code</b>	CSB-EP023909HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P28289
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MSYRRELEKY RDLDEDEILG ALTEEELRTL ENELDELDPD NALLPAGLRQ KDQTTKAPTG PFKREELLDH LEKQAKEFKD REDLVPYTGE KRGKVVWPKQ KPLDPVLESV TLEPELEEAL ANASDAELCD IAAILGMHTL MSNQQYYQAL SSSSIMNKEG LNSVIKPTQY KPVPDEEPNS TDVEETLERI KNNDPKLEEV NLNNIRNIPI PTLKAYAEAL KENSYVKKFS IVGTRSNDPV AYALAEMLKE NKVLKTLNVE SNFISGAGIL RLVEALPYNT SLVEMKIDNQ SQPLGNKVEM EIVSMLEKNA TLLKFGYHFT QQGPRLRASN AMMNNDLVR KRRLADLTGP IIPKCRSGV
<b>Source</b>	E.coli
<b>Target Names</b>	TMOD1
<b>Protein Names</b>	Recommended name: Tropomodulin-1 Alternative name(s): Erythrocyte tropomodulin Short name= E-Tmod
<b>Expression Region</b>	1-359
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	This gene encodes a member of the tropomodulin family. The encoded protein is an actin-capping protein that regulates tropomyosin by binding to its N-terminus, inhibiting depolymerization and elongation of the pointed end of actin filaments and thereby influencing the structure of the erythrocyte membrane skeleton. Multiple transcript variants encoding the same protein have been found for this gene.
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.