

## Product datasheet for TP322492L

### tenomodulin (TNMD) (NM\_022144) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human tenomodulin (TNMD), 1 mg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC222492 representing NM\_022144  
Red=Cloning site Green=Tags(s)

MAKNPPENCEDCHILNAEAFKSKKICKSLKICGLVFGILTTLIVLFWGSKHFWPEVPPKAYDMEHTFYS  
 SGEKKKIYMEIDPVTRTEIFRSGNGTDETLEVHDFKNGYTGIFYVGLQKCFIKTQIKVIPEFSEPEEID  
 ENEEITTTFFEQSVIWWVPAEKPIENRDFLKNKILEICDNVTMYWINPTLISVSELQDFEEEGEDLHFPA  
 NEKKGIEQNEQWVVPQVKVEKTRHARQASEEELPINDYTENGIEFDPMLDERGYCCICYCRRGNRYCRRVC  
 EPLLGYPPYCYQGGRVICRVIMPCNWWVARMMLGRV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK  
**Predicted MW:** 37 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  
**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.  
**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.  
**Storage:** Store at -80°C.  
**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.  
**RefSeq:** [NP\\_071427](#)  
**Locus ID:** 64102



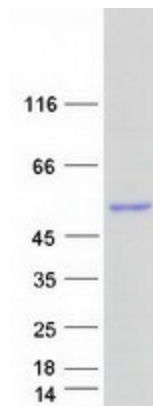
[View online »](#)

UniProt ID: [Q9H2S6](#)  
RefSeq Size: 1309  
Cytogenetics: Xq22.1  
RefSeq ORF: 951  
Synonyms: BRICD4; CHM1L; TEM

**Summary:** This gene encodes a protein that is related to chondromodulin-I, which is a cartilage-specific glycoprotein that functions to stimulate chondrocyte growth and to inhibit tube formation of endothelial cells. This protein is also an angiogenesis inhibitor. Genetic variation in this gene is associated with a risk for type 2 diabetes, central obesity and serum levels of systemic immune mediators in a body size-dependent manner. This gene is also a candidate gene for age-related macular degeneration, though a direct link has yet to be demonstrated. [provided by RefSeq, Sep 2009]

**Protein Families:** Transmembrane

### Product images:



Coomassie blue staining of purified TNMD protein (Cat# [TP322492]). The protein was produced from HEK293T cells transfected with TNMD cDNA clone (Cat# [RC222492]) using MegaTran 2.0 (Cat# [TT210002]).