

Product datasheet for PH322492

tenomodulin (TNMD) (NM_022144) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TNMD MS Standard C13 and N15-labeled recombinant protein (NP_071427)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222492
Predicted MW:	37 kDa
Protein Sequence:	>RC222492 representing NM_022144 Red=Cloning site Green=Tags(s) MAKNPPENCEDCHILNAEAFKSKKICKSLKICGLVFGILTLTLIVLFWGSKHFWPEVPPKAYDMEHTFYS SGEKKKIYMEIDPVTRTEIFRSGNGTDETLVHDFKNGYTGIIYFVGLQKCFIKTQIKVIPEFSEPEEEID ENEEITTTFFEQSVIWPVPAEKPIENRDFLKNSKILEICDNVTMYWINPTLISVSELQDFEEEGEDLHFP NEKKGIEQNEQWVVPQVKVEKTRHARQASEEELPINDYTENGIEFDPMLDERGYCCIYCRGRNRYCRRVC EPLLGYYPYPYCYQGGRVICRVIMPCNWWVARMGRV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_071427
RefSeq Size:	1309
RefSeq ORF:	951
Synonyms:	BRICD4; CHM1L; TEM
Locus ID:	64102



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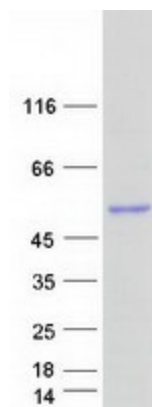
UniProt ID: [Q9H2S6](#)

Cytogenetics: Xq22.1

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]).