

Recombinant Human TNMD Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TNMD-3952H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

TNMD MS Standard C13 and N15-labeled recombinant protein (NP_071427) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

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.

Molecular Mass

37 kDa

AA Sequence

MAKNPPENCEDCHILNAEAFKSKKICKSLKICGLVFGILTTLIVLFWGSKHFWPEVPK
 KAYDMEHTFYSSGEKKKIYMEIDPVTRTEIFRSGNGTDETLVHDFKNGYTGIVFVGL
 QKCFIKTQIKVIPEFSEPEEEIDENEEITTTFFEQSVIWWVPAEKPIENRDFLKNKILEIC
 DNVTMYWINPTLISVSELQDFEEEGEDLHFPANEKKGIEQNEQWVVPQVKVEKTRH
 ARQASEEELPINDYTENGIEFDPMLDERGYCCICYRRGNRYCRRVCEPLLGYYPYPY
 CYQGGRVICRVIMPCNWWWARMLGRVTRTRPLEQKLISEEDLAANDILDYKDDDDK

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	TNMD tenomodulin [Homo sapiens (human)]
Official Symbol	TNMD
Synonyms	TNMD; tenomodulin; BRICD4; ChM1L; myodulin; TEM; tendin; hTeM; hChM1L; chondromodulin-IB; BRICHOS domain containing 4; chondromodulin-1-like protein; chondromodulin-I-like protein; CHM1L;
Gene ID	64102
mRNA Refseq	NM_022144
Protein Refseq	NP_071427
MIM	300459

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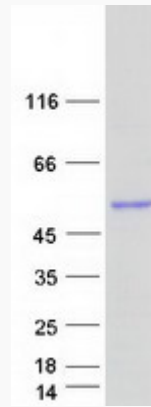
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UniProt ID

Q9H2S6

SDS-PAGE



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