Tenascin-N (TNN) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tenascin-N (TNN), Recombinant Protein
Full Product Name	Recombinant Human Tenascin-N (TNN) , partial
Product Gene Name	TNN recombinant protein
Product Synonym Gene Name	TNN
Sequence	GARFPHPSDC SQVQQNSNAA SGLYTIYLHG DASRPLQVYC DMETDGGGWI VFQRRNTGQL DFFKRWRSYV EGFGDPMKEF WLGLDKLHNL TTGTPARYEV RVDLQTANES AYAIYDFFQV ASSKERYKLT VGKYRGTAGD ALTYHNGWKF TTFDRDNDIA LSNCALTHHG GWWYKNCHLA NPNGRYGETK HSEGVNWEPW KGHEFSIPYV ELKIRPHG
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	144,034 Da
Sequence Positions	1061-1278aa, Partial
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
OMIM	617472
3D Structure	ModBase 3D Structure for Q9UQP3
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for TNN recombinant protein	MBS1468227 is a recombinant protein targeting TNN. Also known as Recombinant Human Tenascin-N (TNN) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of TNN recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TNN. It may not necessarily be applicable to this product.

NCBI GI #	62988324
NCBI GeneID	63923
NCBI Accession #	NP_071376.1
UniProt Primary Accession #	Q9UQP3

UniProt Secondary Accession #	Q5R360; A0A0A6YY94; B9EGP3
UniProt Related Accession #	Q9UQP3
GenBank Nucleotide #	NM_022093.1
NCBI Official Full Name	tenascin-N
NCBI Official Synonym Full Names	tenascin N
NCBI Official Symbol	TNN
NCBI Official Synonym Symbols	TN-W
UniProt Protein Name	Tenascin-N
UniProt Synonym Protein Names	Tenascin-W
Protein Family	Tenascin
UniProt Gene Name	TNN
UniProt Synonym Gene Names	TN-W
NCBI Protein Information	tenascin-N
UniProt Comments for TNN	Extracellular matrix protein that seems to be a ligand for ITGA8:ITGB1, ITGAV:ITGB1 and ITGA4:ITGB1 () (PubMed:17909022). Involved in neurite outgrowth and cell migration in hippocampal explants (). During endochondral bone formation, inhibits proliferation and differentiation of proteoblasts mediated by canonical WNT signaling (). In tumors, stimulates angiogenesis by elongation, migration and sprouting of endothelial cells (PubMed:19884327). Expressed in most mammary tumors, may facilitate tumorigenesis by supporting the migratory behavior of breast cancer cells (PubMed:17909022).
Research Articles on TNN	**1.** This study demonstrated that the genetic defect was totally or partly clarified in 21 patients with nine of them having potential disease-causing mutations in TTN.
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