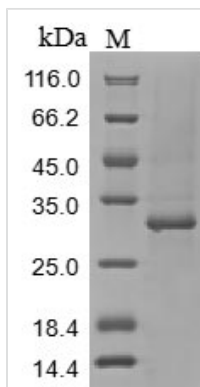




Recombinant Mouse Tenascin (Tnc), partial

Product Code	CSB-BP768917MO
Relevance	Extracellular matrix protein implicated in guidance of migrating neurons as well as axons during development, synaptic plasticity as well as neuronal regeneration. Promotes neurite outgrowth when provided to neurons in culture. May play a role in supporting the growth of epithelial tumors. Ligand for integrins ITGA8:ITGB1, ITGA9:ITGB1, ITGAV:ITGB3 and ITGAV:ITGB6. In tumors, stimulates angiogenesis by elongation, migration and sprouting of endothelial cells
Abbreviation	Recombinant Mouse Tnc protein, partial
Storage	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.
Uniprot No.	Q80YX1
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	GLLYPFPRDCSQAMLNGDTTSGLYTIYINGDKTQALEVYCDMTSDGGGWIVFL RRKNGREDFYRNWKAYAAGFGDRREEFWLGLDNLSKITAQQQYELRVDLQD HGESAYAVYDRFSVGDAKSRYKLKVEGYSGTAGDSMNYHNGRSFSTYDKDT DSAITNCALSYKGAFWYKNCHRVNLMGRYGDNNHSQGVNWFHWKGHEYSIQ FAEMKLRPSN
Research Area	Signal Transduction
Source	Baculovirus
Target Names	Tnc
Protein Names	Hexabrachion Tenascin-C Short name: TN-C Hxb
Expression Region	1884-2099aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	28.8 kDa
Protein Length	Partial
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The gene responsible for the Mouse Tnc protein (1884-2099aa) is cloned into a plasmid vector to obtain recombinant plasmid, which is then transformed into baculovirus cells. baculovirus cells demonstrating successful uptake of the recombinant plasmid are selected based on their ability to endure a specific antibiotic. The baculovirus cells containing the recombinant plasmid are cultured under conditions promoting the expression of the gene of interest. The protein carries a N-terminal 10xHis tag and C-terminal Myc tag. Post-expression, affinity purification is employed to isolate and purify the recombinant Mouse Tnc protein from the cell lysate. The resulting recombinant protein is subjected to denaturing SDS-PAGE, allowing for an estimation of its purity, surpassing 85%.

Reconstitution

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.

Shelf Life

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.