

# Recombinant Mouse TNC Protein (1884-2099 aa), His-tagged

**Cat. No.** TNC-2566M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| <b>Product Overview</b> | Recombinant Mouse TNC Protein (1884-2099 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Partial.                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | Yeast                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 1884-2099 aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | 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. |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Molecular Mass</b>   | 26.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | GLLYPFPRDCSQAMLNGDTTSGLYTIYINGDKTQALEVYCDMTSDGGGWIVFLRRK<br>NGREDFYRNWKAYAAGFGDRREEFWLGLDNLSKITAQGQYELRVLDLQDHGESAYA<br>VYDRFSVGDAKSRYKLKVEGYSGTAGDSMNYHNGRSFSTYDKDTSAITNCALSYK<br>GAFWYKNCHRVNLMGRYGDNNHSQGVNWFHWKGHEYSIQFAEMKLPSN                                                                                                                                                                                                                                            |

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|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>        | > 85% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                    |
| <b>Notes</b>         | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.                                                                                                                                                                                                        |
| <b>Storage</b>       | 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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade. |
| <b>Concentration</b> | A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.                                                                                                                                                                                                                |

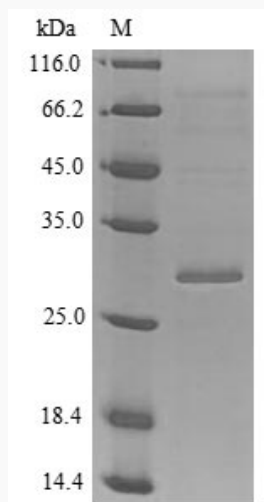
## GENE INFORMATION

|                        |                                                                                                                                     |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Tnc tenascin C [ <i>Mus musculus</i> ]                                                                                              |
| <b>Official Symbol</b> | TNC                                                                                                                                 |
| <b>Synonyms</b>        | TNC; tenascin C; tenascin; hexabrachion; TN; Hxb; Ten; TN-C; AI528729; cytotactin; tenascin-C; C130033P17Rik; MGC144208; MGC144209; |
| <b>Gene ID</b>         | 21923                                                                                                                               |
| <b>mRNA Refseq</b>     | NM_011607                                                                                                                           |
| <b>Protein Refseq</b>  | NP_035737                                                                                                                           |
| <b>UniProt ID</b>      | Q80YX1                                                                                                                              |

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

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