

## Tetranectin Protein, Mouse, Recombinant (His)

### General Information

Synonyms:	C-type lectin domain family 3, member B;Tna
Protein Construction:	A DNA sequence encoding the mouse CLEC3B (P43025) (Met 1-Val 202) was expressed, with a C-terminal polyhistidinetag. Predicted N terminal: Gln 22
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	P43025
Molecular Weight:	20.7 kDa (predicted); 25 kDa (reducing conditions)

### QC Testing

Biological Activity:	Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

### Preparation and Storage

**Reconstitution:**  
Reconstituted with PBS, pH 7.4 to 0.25 mg/mL. Reconstitution conditions may vary depending on the lot.

#### Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Tetranectin (TN), also known as C-type lectin domain family 3, member B (CLEC3B) is a member of the C-type lectin Family. It is plasminogen kringle 4 binding protein and regulates fibrinolysis and proteolytic processes via binding to plasminogen. Tetranectin has been suggested to play a role in tissue remodeling, due to its ability to stimulate plasminogen activation and its expression in developing tissues such as developing bone and muscle. Tetranectin enhances plasminogen activation by a tissue-type plasminogen activator so that it has been suggested to play a

role in tissue remodeling. Tetranectin may play a role in the wound healing process. Tetranectin may play a role in neurological diseases and may serve as a diagnostic aid in multiple sclerosis (MS). Tetranectin was found significantly under-expressed in both serum and saliva of metastatic oral squamous cell carcinoma (OSCC) compared to primary OSCC. Tetranectin is thought to enhance proteolytic processes enabling tumor cells to invade and metastasize.

### Reference

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