

Human CLEC3B / Tetranectin Protein (His Tag)

Catalog Number: 12735-H08H



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

CLEC3B; TN; TNA

Protein Construction:

A DNA sequence encoding the second extracellular domain of human CLEC3B (AAX37102.1) (Met 1-Val 202) was fused with a polyhistidine tag at the C-terminus.

Source: Human

Expression Host: HEK293 Cells

QC Testing

Purity: > 90 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Glu 22

Molecular Mass:

The secreted recombinant human CLEC3B consists of 192 amino acids and has a predicted molecular mass of 21.5 kDa.

Formulation:

Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

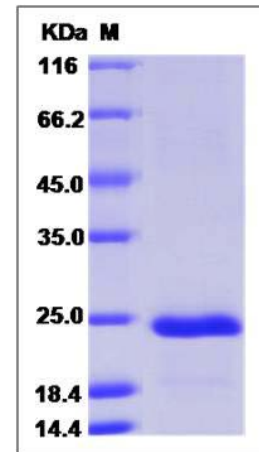
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

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.

References

1. Iba K, *et al.* (2001) Mice with a targeted deletion of the tetranectin gene exhibit a spinal deformity. *Mol Cell Biol.* 21(22): 7817-25. 2. Stoevring B, *et al.* (2006) Tetranectin in cerebrospinal fluid of patients with multiple sclerosis. *Scand J Clin Lab Invest.* 66(7): 577-83. 3. Brunner A, *et al.* (2007) Expression and prognostic significance of Tetranectin in invasive and non-invasive bladder cancer. *Virchows Arch.* 450(6): 659-64.

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