

For Research Use Only

Recombinant Human CLEC3B protein (mFc Tag) (HPLC verified)



Catalog Number: Eg3608

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE
 >90 %, SEC-HPLC

Tag:
mFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE
 >90 %, SEC-HPLC

Endotoxin Level:
<0.1 EU/μg protein, LAL method

Source:
HEK293-derived Human CLEC3B protein Glu22-Vla202 (Accession# P05452) with a mouse IgG Fc tag at the C-terminus.

GeneID:
7123

Accession:
P05452

Predicted Molecular Mass:
46.8 kDa

SDS-PAGE:
44-50 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

C-Type Lectin Domain Family 3 Member B (CLEC3B) is a transmembrane Ca²⁺-binding protein, located in cell plasma, extracellular matrix, and exosomes. CLEC3B functions in the mineralization process in osteogenesis and neuroprotection and is associated with tumor invasion and metastasis via plasminogen activation, leading to extracellular proteolysis. Downregulation of CLEC3B has been reported in various diseases such as hepatocellular carcinoma, ovarian cancer, oral squamous cell carcinoma, and many other cancers. It was demonstrated in CLEC3B-deficient mice that the absence of CLEC3B impeded the mineralization process in osteogenesis.

References

1. Dai W. et al. (2019). Cell Commun Signal. 17(1):113.
2. Xie XW. et al. (2021). Front Mol Biosci. 7:614034.

Synonyms

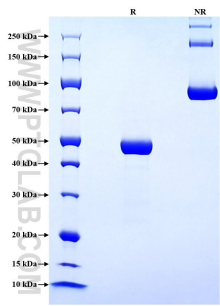
C-type lectin domain family 3 member B, Plasminogen kringle 4-binding protein, Tetranectin, TN, TNA

For technical support and original validation data for this product please contact

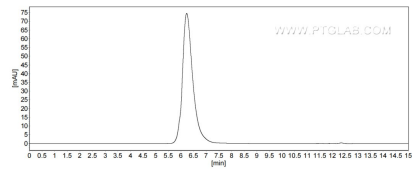
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Selected Validation Data



Purity of Recombinant Human CLEC3B was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



The purity of Human CLEC3B was greater than 90% as determined by SEC-HPLC.