

For Research Use Only

Recombinant Human IGFBP-7 protein (His Tag)



Catalog Number: Eg0815

Basic Information

ED50:
/

GeneID:
3490

Species:
Human

Accession:
Q16270-1

Purity:
>90 %, SDS-PAGE

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<1.0 EU/ μ g protein, LAL method

Source:
HEK293-derived Human IGFBP-7 protein Ser27-Leu282 (Accession# Q16270-1(K95R)) with a His tag at the N-terminus.

Predicted Molecular Mass:
27.3 kDa

SDS-PAGE:
30-35 kDa, reducing (R) conditions

Formulation:
Lyophilized from sterile 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

IGFBP7, also named as MAC25, PSF, IBP-7 and TAF, is a member of the insulin-like growth factor (IGF)-binding protein (IGFBP) family. IGFBPs bind IGFs with high affinity, and regulate IGF availability in body fluids and tissues and modulate IGF binding to its receptors. This protein binds IGF-I and IGF-II with relatively low affinity, and belongs to a subfamily of low-affinity IGFBPs. It also stimulates prostacyclin production and cell adhesion. Alternatively spliced transcript variants encoding different isoforms have been described for this gene, and one variant has been associated with retinal arterial macroaneurysm.

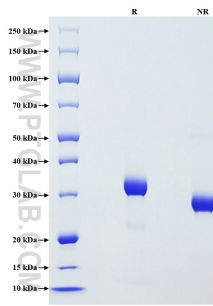
References

1. Oh Y, et al. (1996) J Biol Chem. 271(48):30322-5.
2. Akaogi K, et al. (1994) Biochem Biophys Res Commun. 198(3):1046-53.

Synonyms

IGFBP7, IBP7, IBP-7, IGF-binding protein 7, IGFBP-7

Selected Validation Data



Purity of Recombinant Human IGFBP-7 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.

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

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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