

For Research Use Only

Recombinant Human IGFBP-6 protein (His Tag)



Catalog Number: Eg3437

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
His Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
HEK293-derived Human IGFBP-6 protein Arg28-Gly240 (Accession# P24592) with a His tag at the C-terminus.

GeneID:
3489

Accession:
P24592

Predicted Molecular Mass:
23.7 kDa

SDS-PAGE:
27-35kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μ m 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

IGFBP-6 (Insulin-like Growth Factor Binding Protein-6) is a member of the insulin-like growth factor binding protein family, which plays a crucial role in regulating the actions of insulin-like growth factors (IGFs). IGFBP-6 is involved in the immune response, particularly in human dendritic cells (DCs), and has been implicated in different human diseases. IGFBP-6 has been implicated in the biology of tumors, playing a controversial role. It is considered a protein of interest in cancer development and progression, with direct relations to immunological functions and inflammation activities in glioma, potentially serving as a therapeutic target for glioma immunotherapy

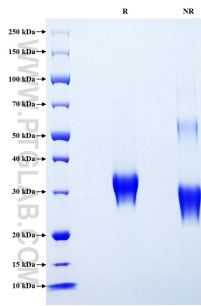
References

1. Leon A Bach. et al.(2015). J Cell Commun Signal. 9(2):189–200.
2. Arcangelo Liso. et al. (2022). Int J Mol Sci. 23(8):4358.

Synonyms

IGFBP6, IBP 6, IBP6, IBP-6, IGF binding protein 6

Selected Validation Data



Purity of Recombinant Human IGFBP-6 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

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