

For Research Use Only

# Recombinant Human IGFBP-6 protein (His Tag)



Catalog Number: Eg3437

|                   |                   |                            |                 |
|-------------------|-------------------|----------------------------|-----------------|
| Basic Information | Species:<br>Human | Purity:<br>>90 %, SDS-PAGE | Tag:<br>His Tag |
|-------------------|-------------------|----------------------------|-----------------|

## Technical Specifications

**Purity:**  
>90 %, SDS-PAGE

**Endotoxin Level:**  
<0.1 EU/μg 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 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

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

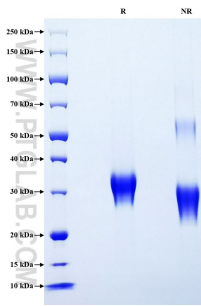
IGFBP6, IBP 6, IBP6, IBP-6, IGF binding protein 6

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

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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.