

For Research Use Only

Recombinant Human IGFBP6 protein (Myc Tag, His Tag)



Catalog Number: Eg0087

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: Myc Tag, His Tag
-------------------	-------------------	----------------------------	--------------------------

Technical Specifications

Purity:
>90 %, SDS-PAGE

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

Source:
HEK293-derived Human IGFBP6 protein Arg28-Gly240 (Accession# P24592) with a Myc tag and a His tag at the C-terminus.

GeneID:
3489

Accession:
P24592

Predicted Molecular Mass:
28.2 kDa

SDS-PAGE:

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

Insulin-like growth factor (IGF) binding protein (IGFBP6), a 240 amino acid protein, contains an IGFBP N-terminal domain and a thyroglobulin type-1 domain. It's known for its identical protein binding activity and insulin-like growth factor II (IGF-II) binding activity. It plays a role in cell migration and positively regulates the stress-activated MAPK cascade. As a component of the insulin-like growth factor binary complex, IGFBP6 helps modulate the availability and activity of IGFs in the body. IGFBP6 has been implicated in obesity and serves as a biomarker for several conditions, including breast cancer, in situ carcinoma, leiomyoma, and neovascular inflammatory vitreoretinopathy. Research has shown that IGFBP6 can influence tumor progression and response to treatment in various cancer types, such as glioblastoma, ovarian cancer, and prostate cancer.

References

- 1.Liso, Arcangelo et al. International journal of molecular sciences vol. 23,8 (2022).
- 2.Piscazzi, Annamaria et al. Oncology letters vol. 23,6 (2022): 185.
- 3.Su, Meiming et al. Nature cardiovascular research vol. 4,2 (2025): 145-162.

Synonyms

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

Selected Validation Data

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

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.