

For Research Use Only

Recombinant Mouse IGFBP2 protein (His Tag)



Catalog Number: Eg1196

Basic Information

Species:
Mouse

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 Mouse IGFBP2 protein Glu35-Gln305 (Accession# P47877) with a His tag at the C-terminus.

GeneID:

16008

Accession:

P47877

Predicted Molecular Mass:

30.6 kDa

SDS-PAGE:

28-33 kDa, 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

IGFBP2 is one of six homologous proteins in the IGFBP family. Based on its ability to bind IGFs with high affinity, IGFBP2 can exert its functions by interacting with IGFs in the circulation to control the function and activity of IGFs, and prevent the interaction between IGFs and IGF receptors. IGFBP2 was found to be highly expressed in many cancers, including glioma, lung cancer, colorectal cancer, ovarian cancer (OC), rhabdomyosarcoma, gastric cancer, breast cancer, bladder cancer, prostate cancer, endometrial cancer, penile squamous cell carcinoma, and hepatocellular carcinoma.

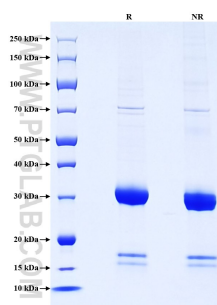
References

1. Perez-Larraya JG. et al. (2014). Cancer.120(24):3972-3980.
2. Yuan Q. et al. (2019). Biosci Rep. 39(6):387-395.
3. Han S. et al. (2014). PLoS One. 9(4):e93791.
4. Lin Y. et al. (2009). Neuro Oncol. 11(5):468-476
5. Guo C. et al. (2013). PLoS One. 8(9):202-206.

Synonyms

IBP-2, IGF-binding protein 2, Igfbp2, IGFBP-2, Insulin-like growth factor-binding protein 2

Selected Validation Data



Purity of Recombinant Mouse IGFBP2 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

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