

For Research Use Only

Recombinant Human IGFBP-2 protein (His Tag)



Catalog Number: Eg0823

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
His Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/μg protein, LAL method

Source:

HEK293-derived Human IGFBP-2 protein Ala36-Gln325 (Accession# P18065) with a His tag at the C-terminus.

GeneID:

3485

Accession:

P18065

Predicted Molecular Mass:

32.5 kDa

SDS-PAGE:

29-34 kDa, 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

IGFBP2, also known as BP2 and IBP2, is a member of the IGFBP family. It is predominantly expressed in fetal tissues that are highly proliferative, such as the early post-implantation epiblast, the ventricular zone of the rostral neuroepithelium, and has been found to be highly expressed in many cancers. It is a promising protein in non-communicable diseases such as obesity, insulin resistance, metabolic syndrome or type 2 diabetes. IGFBP2 mediates IGF-independent tumorigenesis by participating in intracellular and nuclear regulatory networks and may serve as an excellent prognostic biomarker in various cancers.

References

1. Li T. et al. (2020) Oncogene. 39(11):2243-2257.
2. Boughanem H. et al. (2021) Int J Mol Sci. 22(3):1133.
3. Zhang B. et al. (2022) Cancer Med. 11(16):3035-3047.

Synonyms

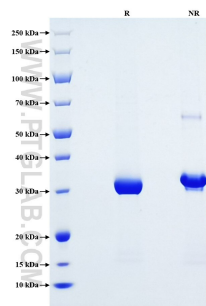
IGFBP2, BP 2, BP2, IBP 2, IBP2

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

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Selected Validation Data



Purity of Recombinant Human IGFBP-2 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.