RP00215

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Recombinant Human IGFBP-2 Protein

Catalog No.: RP00215 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	3485	P18065

Tags
C-His

Synonyms
IBP2; IGF-BP53;IGFBP2;IGF-BP53

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin
< 1.0 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

IGFBP-2, also known as IGFBP2, is a insulin-like growth factor-binding protein (IGFBP). IGFBPs have a high affinity for IGFs. Some members of the IGFBP family have been consistently shown to inhibit IGF actions by preventing them from gaining access to the IGF receptors, while others potentiate IGF actions by facilitating the ligand-receptor interaction. IGFBP2 is overexpressed in many malignancies and is often correlated with an increasingly malignant status of the tumor, pointing to a potential involvement of IGFBP2 in tumorigenesis.

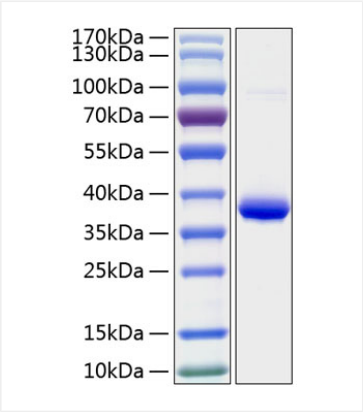
Basic Information

Description
Recombinant Human IGFBP-2 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu40-Gln328) of human IGFBP-2 (Accession #NP_000588.2) fused with an initial Met at the N-terminus and a 6×His tag at the C-terminus.

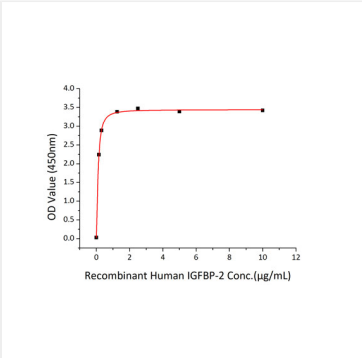
Bio-Activity
Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human IGFBP-2 at 5 μg/mL (100 μL/well) can bind Recombinant Human IGF1 with a linear range of 53-212 ng/mL.

Storage
Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human IGFBP-2 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 37-39 kDa.



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