

Recombinant Mouse IGFBP-2 Protein

Catalog No.: RP03182 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	16008	P47877

Tags

C-His

Synonyms

IBP2; IGF-BP53;IGFBP2;IGF-BP53

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

Calculated MW	Observed MW
33.69 kDa	35-40 kDa

Endotoxin

< 1 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 vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (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 Mouse IGFBP-2 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Gln305) of mouse IGFBP-2 (Accession #P47877) fused with an initial Met at the N-terminus and a 6xHis tag at the C-terminus.

Bio-Activity

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. 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 Mouse IGFBP-2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.