

Recombinant Human IGF2BP2 Protein

Catalog No.: RP02186 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	10644	Q9Y6M1

Tags

N-T7&C-His

Synonyms

IGF2BP2;IMP-2;IMP2;VICKZ2; IMP2;
VICKZ2

Product Information

Source	Purification
<i>E. coli</i>	≥ 80 % as determined by SDS-PAGE.

Calculated MW	Observed MW
27.2 kDa	29 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of 20mM Tris-HCl, 15% Trehalose, 150mM NaCl, 0.1% Tween80, pH 8.5. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the tube 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

Insulin-Like Growth Factor 2 mRNA-Binding Protein 2 (IGFBP2) belongs to the RRM IMP/VICKZ family. IGFBP2 is a cytoplasmic protein and contains four KH domains and two RRM (RNA recognition motif) domains. IGF2BP2 binds to the 5'-UTR of the Insulin-Like Growth Factor 2 (IGF2) mRNA. This binding is isoform-specific. IGF2BP2 may regulate translation of target mRNAs. Genetic variation at the IGF2BP2 gene has been associated with type 2 diabetes (T2D) by genome-wide association studies and by replication analyses.

Basic Information

Description

Recombinant Human IGF2BP2 Protein is produced by E.coli expression system. The target protein is expressed with sequence (Met1-Thr220) of human IGF2BP-2 (Accession #Q9Y6M1) fused with a T7 tag at the N-terminus and a 6xHis tag at the C-terminus.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

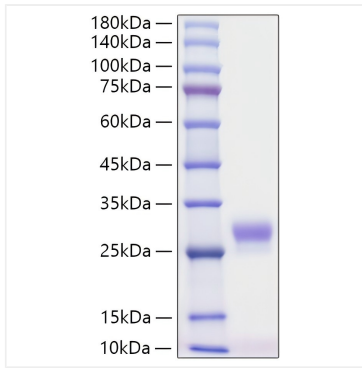
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Validation Data



Recombinant Human IGF2BP2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.