Recombinant Human IGFBP-2 Protein

Catalog No.: RP00215

Sequence Information

Species
Human

Gene ID
3485

Swiss Prot
P18065

Tags
C-His

Synonyms
IBP2, IGF-BP53,IGFBP2,IGF-BP53

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
32.22 kDa

Observed MW
37-39 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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.

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.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

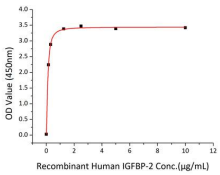
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

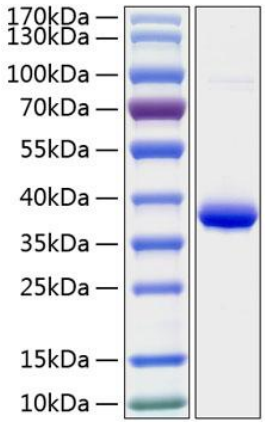
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Immobilized Recombinant Human IGFBP-2 at 5μg/mL (100 μL/well) can bind Recombinant Human IGF1 with a linear range of 53-212 ng/mL.



Recombinant Human IGFBP-2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.