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Datasheet for ABIN7520088  
**IGFBP2 Protein (His tag)**

### Overview

Quantity:	100 µg
Target:	IGFBP2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IGFBP2 protein is labelled with His tag.

### Product Details

Purpose:	Active Recombinant Human IGFBP-2 Protein
Sequence:	<p>EVLFRCPPCT PERLAACGPP PVAPPAAVAA VAGGARMPCA ELVREPGCGC CSVCARLEGE ACGVYTPRCG QGLRCYPHPG SELPLQALVM GEGTCEKRRD AEYGASPEQV ADNGDDHSEG GLVENHVDST MNMLGGGGSA GRKPLKSGMK ELAVFREKVT EQHRQMKGKG KHHGLGLEEPK KLRPPPARTP CQQELDQVLE RISTMRLPDE RGPLEHLYSL HIPNCDKHGL YNLKQCKMSL NGQRGECWCV NPNTGKLIQG APTIRGDPEC HLFYNEQQA RGVHTQRMQ</p>
Specificity:	Glu40-Gln328
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 1.0 EU/µg of the protein by LAL method.
Biological Activity Comment:	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

## Product Details

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ng/mL.

## Target Details

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Target: IGFBP2

Alternative Name: IGFBP-2 ([IGFBP2 Products](#))

Background: Description: 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.  
Name: IBP2, IGF-BP53,IGFBP2,IGF-BP53

Gene ID: 3485

UniProt: [P18065](#)

Pathways: [Myometrial Relaxation and Contraction](#), [Growth Factor Binding](#), [Activated T Cell Proliferation](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

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.

Buffer: Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

Storage: -20 °C,-80 °C

Storage Comment: 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.