

ARG70277 Human IGFBP2 recombinant protein (His-tagged, C-ter)

Package: 50 µg
Store at: -20°C

Summary

Product Description	HEK293 expressed, His-tagged (C-ter) Human IGFBP2 recombinant protein.
Tested Reactivity	Hu
Tested Application	Binding, SDS-PAGE
Target Name	IGFBP2
Species	Human
A.A. Sequence	Glu40 - Gln328 of Human IGFBP2 (NP_000588.2) with an initial Met at the N-terminus and 6X His tag at the C-terminus.
Expression System	HEK293
Alternate Names	IBP-2; IBP2; Insulin-like growth factor-binding protein 2; IGFBP-2; IGF-BP53; IGF-binding protein 2

Application Instructions

Application Note	Binding activity test: Measured by its binding ability in a functional ELISA. 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.
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Properties

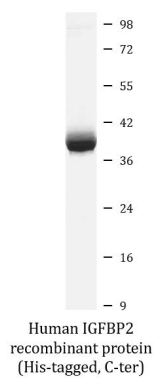
Form	Powder
Purification Note	0.22 µm filter sterilized. Endotoxin level is 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	Reconstitute to a concentration of 0.1 - 0.5 mg/ml in sterile distilled water.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C for up to one month, at 2-8°C for up to one week. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	IGFBP2
Gene Full Name	insulin-like growth factor binding protein 2, 36kDa
Background	The protein encoded by this gene is one of six similar proteins that bind insulin-like growth factors I and II (IGF-I and IGF-II). The encoded protein can be secreted into the bloodstream, where it binds IGF-I and IGF-II with high affinity, or it can remain intracellular, interacting with many different ligands. High expression levels of this protein promote the growth of several types of tumors and may be predictive of the chances of recovery of the patient. Several transcript variants, one encoding a secreted isoform and the others encoding nonsecreted isoforms, have been found for this gene. [provided by RefSeq, Sep 2015]

Function	Inhibits IGF-mediated growth and developmental rates. IGF-binding proteins prolong the half-life of the IGFs and have been shown to either inhibit or stimulate the growth promoting effects of the IGFs on cell culture. They alter the interaction of IGFs with their cell surface receptors. [UniProt]
Calculated Mw	35 kDa
PTM	O-glycosylated. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



ARG70277 Human IGFBP2 recombinant protein (His-tagged, C-ter)
SDS-PAGE image

SDS-PAGE analysis of ARG70277 Human IGFBP2 recombinant protein (His-tagged, C-ter).