abcam

Product datasheet

Recombinant human IGFBP6 protein (Active) ab245822

Description

Product name	Recombinant human IGFBP6 protein (Active)
Biological activity	Determined by its ability to inhibit IGF-II induced proliferation of human MCF7 cells. The expected ED_{50} for this effect is 0.1 – 0.4 µg/ml.
Purity	> 95 % SDS-PAGE. Greater than 95% by HPLC analyses.
Endotoxin level	< 1.000 Eu/µg
Expression system	BTI-TN-5B1-4 cells
Accession	P24592
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	RCPGCGQGVQAGCPGGCVEEEDGGSPAEGCAEAEGCL RREGQECGVYTPN CAPGLQCHPPKDDEAPLRALLLGRGRCLPARAPAVAEE NPKESKPQAGTA RPQDVNRRDQQRNPGTSTTPSQPNSAGVQDTEMGPCRR HLDSVLQQLQTE VYRGAQTLYVPNCDHRGFYRKRQCRSSQGQRRGPCWCV DRMGKSLPGSPD GNGSSSCPTGSSG
Predicted molecular weight	23 kDa
Amino acids	28 to 240
Additional sequence information	Full-length mature chain lacking the signal peptide.

Specifications

Our **Abpromise guarantee** covers the use of **ab245822** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	HPLC SDS-PAGE Functional Studies

Form	Lyophilized
Additional notes	Migrates at an apparent molecular weight of approximately 23.0-30.0 kDa by SDS-PAGE analysis under non-reducing conditions.

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. Constituent: 0.29% Sodium citrate This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	Reconstitute in water to 0.1 - 1.0 mg/ml.

General Info

Function	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.
Sequence similarities	Contains 1 IGFBP N-terminal domain. Contains 1 thyroglobulin type-1 domain.
Post-translational modifications	O-linked glycans consist of hexose (probably Gal), N-acetylhexosamine (probably GalNAc) and sialic acid residues. O-glycosylated with core 1 or possibly core 8 glycans. O-glycosylated on one site only in the region AA 143-168 in cerebrospinal fluid.
Cellular localization	Secreted.

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