

IGFBP5 active protein

IGFBP5 Protein, Human, Recombinant (His Tag)

CATALOG #
AAA257845

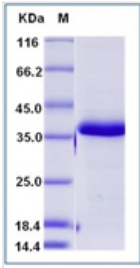
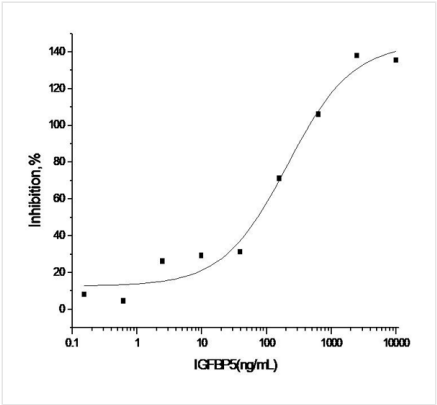
HOST
Baculovirus-Insect Cells

PRODUCT SYNONYMS

IGFBP5; IGFBP5 Protein; Human; Recombinant (His Tag); Human IGFBP5/IGFBP-5 Protein (His Tag); IBP5 Protein; insulin-like growth factor binding protein 5; IGFBP5 active protein

PRODUCT SPECIFICATIONS

Host	Baculovirus-Insect Cells
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from sterile 20mM Tris, pH8.0, 300mM NaCl, 10% glycerol. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Sequence	Met1-Glu27 2
Species	Human
Activity	Measured by its ability to inhibit the biological activity of IGF-I or IGF-II on MCF-7 human breast cancer cells. The ED50 for this effect is 0.1-0.5ug/mL in the presence of 14ng/mL rhIGF-II.
Endotoxin	<1.0EU per ug protein as determined by the LAL method.
Predicted N Terminal	Leu 21
Tag	C-His
Protein Construction	A DNA sequence encoding the human IGFBP5 (NP_000590.1)(Met1-Glu272) was expressed with a polyhistidine tag at the C-terminus.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice.



SDS-PAGE

Application Data
Measured by its ability to inhibit the biological activity of IGF-I or IGF-II on MCF-7 human breast cancer cells. The ED50 for this effect is 0.1-0.5 ug/mL in the presence of 14 ng/mL rhIGF-II.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10834982
NCBI GeneID	3488
NCBI Accession #	NP_000590.1
NCBI GenBank Nucleotide #	NM_000599.3
UniProt Accession #	P24593; Q5U0A3
Molecular Weight	30,570 Da
NCBI Official Full Name	insulin-like growth factor-binding protein 5
NCBI Official Synonym Full Names	insulin-like growth factor binding protein 5
NCBI Official Symbol	IGFBP5
NCBI Official Synonym Symbols	IBP5
NCBI Protein Information	insulin-like growth factor-binding protein 5; IBP-5; IGFBP-5; IGF-binding protein 5
UniProt Protein Name	Insulin-like growth factor-binding protein 5
UniProt Gene Name	IGFBP5
UniProt Synonym Gene Names	IBP5; IBP-5; IGF-binding protein 5; IGFBP-5
UniProt Entry Name	IBP5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.