



[Go to Product page](#)

Datasheet for ABIN2115433
IGFBP5 Protein (AA 21-272) (His tag)

Overview

Quantity:	50 µg
Target:	IGFBP5
Protein Characteristics:	AA 21-272
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IGFBP5 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Insulin-Like Growth Factor-Binding Protein 5/IGFBP-5 (C-6His)
Sequence:	LGSFVHCEPC DEKALSMCPP SPLGCELVKE PGCGCCMTCA LAEGQSCGVY TERCAQGLRC LPRQDEEKPL HALLHGRGVC LNEKSYREQV KIERDSREHE EPTTSEMAEE TYSKIFRPK HTRISELKAE AVKKDRRKKL TQSKFVGGAE NTAHPRIISA PEMRQESEQG PCRRHMEASL QELKASPRMV PRAVYLPNCD RKGIFYKRKQC KPSRGRKRG I CWCVDKYGMK LPGMEYVDGD FQCHTFDSSN VEVDHHHHHH
Characteristics:	Recombinant Human Insulin-Like Growth Factor-Binding Protein 5/IGFBP-5 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Leu21-Glu272) of Human IGFBP5 fused with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	IGFBP5
Alternative Name:	Insulin-Like Growth Factor-Binding Protein 5/IGFBP-5 (IGFBP5 Products)
Background:	<p>Insulin-Like Growth Factor-Binding Protein 5 (IGFBP-5) is a secreted protein that belongs to the insulin-like growth factor (IGF) binding proteins superfamily. Members of this family prolong the half-life of the IGFs. They 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. IGFBP-5 contains one IGFBP N-terminal domain and one thyroglobulin type-1 domain. IGFBP-5 is expressed by fibroblasts, myoblasts and Osteosarcoma. It is also present at lower levels in liver, kidney, and brain.</p> <p>Synonyms: Insulin-Like Growth Factor-Binding Protein 5, IBP-5, IGF-Binding Protein 5, IGFBP-5, IGFBP5, IBP5</p>
Molecular Weight:	29.61 kDa
UniProt:	P24593
Pathways:	WNT Signaling , Carbohydrate Homeostasis , Myometrial Relaxation and Contraction , Regulation of Carbohydrate Metabolic Process , Autophagy , Smooth Muscle Cell Migration , Growth Factor Binding

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>