

Datasheet for ABIN935566 IGFBPI Protein



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Overview

Quantity:	25 µg
Target:	IGFBPI
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence:	MAPWQCAPCS AEKLALCPPV SASCSEVTRS AGCGCCPMCA LPLGAACGVA TARCARGLSC RALPGEQQPL HALTRGQGAC VQESDASAPH AAEAGSPESP ESTEITEEEL LDNFHLMAPS EEDHSILWDA ISTYDGSKAL HVTNIKKWKE PCRIELYRVV ESLAKAQETS GEEISKFYLP NCNKNGFYHS RQCETSMDGE AGLCWCVYPW NGKRIPGSPE IRGDPNCQIY FNVQN
Characteristics:	Purified recombinant Human IGF BP1 protein Expression System: E.coli Bioactivity: The ED50 was determined by its ability to inhibit IGF-I induced proliferation of MCF-7 is ? 0.5 µg/mL in the presence of 6 ng/mL of human IGF-I.
Purity:	> 97 % pure
Endotoxin Level:	< 0.1 ng per µg (1 EU/µg).

Target Details

Target:	IGFBPI
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Target Details

Alternative Name: [IGF BP1 \(IGFBPI Products\)](#)

Background: IGF-BPs controls the distribution, function and activity of IGFs in various cell tissues and body fluids. Currently there are seven named IGF-BPs that form high affinity complexes with both IGF-I and IGF-II. IGF-BP1 is a 25.4 kDa cysteine-rich secreted protein expressed in liver, deciduas, and kidneys and is the most abundant IGF-BP in amniotic fluid. Levels of IGF-BP1 in serum are lowest after food. IGF-BP1 binds to both IGF-I and IGF-II with equal affinity.

Alternative Names: IGF BP-1, IGF BP-1 protein, IGF BP 1 protein, PP12 protein, IGF BP 1, IBP-1 protein, IGF BP1, Insulin-like Growth Factor-Binding Protein 1 protein, IGF BP-1 protein, Placenta Protein 12 protein

Molecular Weight: 25.4 kDa

Pathways: [Myometrial Relaxation and Contraction](#), [ER-Nucleus Signaling](#), [Growth Factor Binding](#)

Application Details

Application Notes: Each Investigator should determine their own optimal working dilution for specific applications.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Supplied as a lyophilized powder.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: RT/-20 °C
