

Active Recombinant Human IGFBP1 protein

Cat. No. IGFBP1-29544TH Lot. No. (See product label)

SPECIFICATION

| | |
|-------------------------|--|
| Product Overview | Recombinant Human IGFBP1 was expressed in E. coli. |
| Species | Human |
| Source | E.coli |
| Description | This gene is a member of the insulin-like growth factor binding protein (IGFBP) family and encodes a protein with an IGFBP domain and a thyroglobulin type-I domain. The protein binds both insulin-like growth factors (IGFs) I and II and circulates in the plasma. Binding of this protein prolongs the half-life of the IGFs and alters their interaction with cell surface receptors. |
| Bio-activity | The ED50, as determined by its ability to inhibit IGF-I induced proliferation of MCF-7, is < 0.5 g/ml in the presence of 6 ng/ml of human IGF-I. |
| AA 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 |
| Endotoxin | < 0.100 Eu/g |
| Applications | Western blot; SDS-PAGE; Functional Studies |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Shipped at 4 centigrade. The lyophilized protein is stable for a few weeks at room temperature. Store at -20 centigrade long term.

Reconstitution Reconstitute to 1mg/ml with sterile water.

GENE INFORMATION

Gene Name IGFBP1 insulin-like growth factor binding protein 1 [Homo sapiens]

Official Symbol IGFBP1

Synonyms IGFBP1; insulin-like growth factor binding protein 1; IBP1; insulin-like growth factor-binding protein 1; AFBP; alpha pregnancy associated endometrial globulin; amniotic fluid binding protein; binding protein 25; binding protein 26; binding protein 28; growth hormone independent binding protein; hIGFBP 1; IGF binding protein 1; IGF BP25; placental protein 12; PP12; IBP-1; IGFBP-1; binding protein-25; binding protein-26; binding protein-28; IGF-binding protein 1; growth hormone independent-binding protein; alpha-pregnancy-associated endometrial globulin; IGF-BP25; hIGFBP-1;

Gene ID 3484

mRNA Refseq NM_000596

Protein Refseq NP_000587

MIM 146730

UniProt ID P08833

Chromosome Location 7p13-p12

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Pathway

Activation of Genes by ATF4, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; FOXA2 and FOXA3 transcription factor networks, organism-specific biosystem; HIF-1-alpha transcription factor network, organism-specific biosystem; Myometrial Relaxation and Contraction Pathways, organism-specific biosystem; PERK regulated gene expression, organism-specific biosystem;

Function

insulin-like growth factor binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA