9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-20196: Animal-Free Recombinant Human IGF-BP7(Discontinued)

Alternative Name : Insulin-like Growth Factor-Binding Protein 7, IBP-7, Mac25, IGF binding protein related protein-1 (IGFBP-rP1)

Description

Source:E.coliIGF-BPs control the distribution, function and activity of IGFs in various cell tissues and body fluids.Â Currently, there are seven named IGF-BPs that form high affinity complexes with both IGF-I and IGF-II.Â IGF-BP7 is expressed in a wide range of normal human tissues, and it generally shows reduced expression in cancer cell lines of prostate, breast, colon, and lung origin.Â It plays a role in skeletal myogenesis by binding to IGF in a manner that inhibits IGF-induced differentiation of skeletal myoblasts, without affecting IGF-induced proliferation.Â Additionally, IGF-BP7 suppresses growth and colony formation of prostate and breast cancer cell lines through an IGF-independent mechanism, which causes a delay in the G1 phase of the cell cycle and increased apoptosis. Recombinant Human IGF-BP7 is a 26.4 kDa protein consisting of 256 amino acid residues.

Product Info

Amount : 5 µg / 25 µg

Purification : Purity: >= 98% by SDS-PAGE gel and HPLC analyses.

Content : This recombinant protein is supplied in lyophilized form.

Amino Acid : SSSDTCGPCE PASCPPLPPL GCLLGETRDA CGCCPMCARG EGEPCGGGGA GRGYCAPGME CVKSRKRRKG KAGAAAGGPG VSGVCVCKSR YPVCGSDGTT YPSGCQLRAA SQRAESRGEK AITQVSKGTC EQGPSIVTPP KDIWNVTGAQ VYLSCEVIGI PTPVLIWNKV KRGHYGVQRT ELLPGDRDNL AIQTRGGPEK HEVTGWVLVS PLSKEDAGEY ECHASNSQGQ ASASAKITVV DALHEIPVKK GEGAEL

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