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IGFBP7, 27-282aa, Human, His tag, E.coli

产品货号: TP02585

第三版

别名: insulin-like growth factor-binding protein 7 isoform 1 precursor, AGM, FSTL2, IBP-7, IGFBP-7, IGFBP-7v, IGFBPRP1, MAC25, PSF, RAMSVPS, TAF

描述: IGFBP7 is a member of the insulin-like growth factor (IGF)-binding protein (IGFBP) family. IGFBPs bind IGFs with high affinity, and regulate IGF availability in body fluids and tissues and modulate IGF binding to its receptors. This protein binds IGF-I and IGF-II with relatively low affinity, and belongs to a subfamily of low-affinity IGFBPs. It also stimulates prostacyclin production and cell adhesion. Alternatively spliced transcript variants encoding different isoforms have been described for this gene, and one variant has been associated with retinal arterial macroaneurysm Recombinant human IGFBP7 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT, 1mM EDTA

分子量: 28.8kDa (279aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSSSDTCGPCEPASCPLPLGCLLGETRDACGCCPMCARGEGEPCGGGGAGRGYC
APGMECVKSRKRRKGKAGAAAGPGVSGVCVCKSRYPVCGSDGTTYPSGCQLRAASQRAESRGEKAITQVSKGTCEQG
PSIVTPPKDIWNVTGAQVYLSCEVIGIPTVLIWNVKVRGHHYGVQRTELLPGDRDNLAIQTRGGPEKHEVTGWVVLVSPLS
KEDAGEYECHASNSQQASASAKITVVDALHEIPVKKGEGAEL

纯度: > 95% by HPLC

浓度: 0.25 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.