

FGFBP1, 24-234aa, Human, His tag, E.coli

Cat.NO.: TP02122

3th Edition

Synonyms:Fibroblast growth factor-binding protein 1, FGF-BP, FGF-BP1, FGFBP, FGFBP-1, HBP17

Description:FGFBP1 is a secreted fibroblast growth factor carrier protein. This protein plays a critical role in cell proliferation, differentiation and migration by binding to fibroblast growth factors and potentiating their biological effects on target cells. It may also play a role in tumor growth as an angiogenic switch molecule, and expression of this gene has been associated with several types of cancer including pancreatic and colorectal adenocarcinoma. Recombinant human FGFBP1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid, In Phosphate buffered saline (pH7.4) containing 10% glycerol, 1mM DTT

Molecular Weight:26.2 kDa (234aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSKKKVKNGLHSEVSEQKDTLGNTQIKQKSRPGNKGKFTKDKQANCRWAAT
EQEEGISLKVECTQLDHEFSCVFAGNPTSLKLDKDERVYWKQVARNLRSQKDICYSKTAVKTRVCRKDFPESSLK
LVSSTLFGNTKPRKEKTEMSPREHIKGGKETTPSSLAVTQTMATKAPECVEDPDMANQRKTALEFCGETWSSSLCTFF
LSIVQDTSC

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.