

Product datasheet for **TP724591**

IBSP (17-317, His-Tag) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant human IBSP/Sialoprotein II protein
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	FSMKNLHRRV KIEDSEENGV FKYRPRYYLY KHAYFYPHLK RFPVQGSSDS SEENGDDSSSE EEEEEETSNE EGENNEESNE DEDSEAENTT LSATTLGYGE DATPGTGYTG LAIQLPKKA GDITNKATKE KESDEEEEEEE EGNNEESE AEVDENEQGI NGTSTNSTEA ENGNSSGGD NGEEGEEESV TGANAEDTTE TGRQKGTSK TTTSPNGGFE PTPPQVYRT TSPPFQKTTT VEYEGEYET GANEYDNGYE IYSENGEPR GDNRYAYEDE YSYFKGQGYD GYDQNYHH Q
Tag:	His-Tag
Predicted MW:	34.3kDa (307aa)
Concentration:	0.5mg/ml (determined by Absorbance at 280nm)
Purity:	> 90% by SDS-PAGE
Buffer:	Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol
Bioactivity:	Measured by the ability of the immobilized protein to support the adhesion of MCF7 human breast cancer cells. When cells are added to Human IBSP coated plates 3 ug/ml. This effect is more to 40%.
Endotoxin:	< 1 EU per 1ug of protein (determined by LAL method)
Applications:	SDS-PAGE, Bioactivity
Storage:	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.
RefSeq:	NP_004958.2
Summary:	IBSP, also known as Sialoprotein II, is a monomeric noncollagenous member of the SIBLING family of extracellular matrix (ECM) proteins. It is synthesized by platelets, osteoblasts, osteocytes, odontoblasts, osteoclasts and bone marrow stromal cells. It is a key mediator of the hypertrophic chondrocytes-induced angiogenesis. It was associated with the severity of histological cartilage lesions and with vascular density at the osteochondral junction. Recombinant human IBSP/Sialoprotein II, fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.



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