

Product datasheet for **TP700288**

Bone Sialoprotein (IBSP) (NM_004967) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of human integrin-binding sialoprotein (IBSP), with C-terminal DDK/His tag, expressed in human cells;
Species:	Human
Expression Host:	HEK293
Tag:	C-DDK/10xHis
Predicted MW:	36 kDa
Concentration:	>50 ug/mL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	PBS, pH7.4, 10% glycerol
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_004958
Locus ID:	3381
UniProt ID:	P21815
RefSeq Size:	1108
Cytogenetics:	4q22.1
RefSeq ORF:	951
Synonyms:	BNSP; BSP; BSP-II; SP-II
Summary:	The protein encoded by this gene is a major structural protein of the bone matrix. It constitutes approximately 12% of the noncollagenous proteins in human bone and is synthesized by skeletal-associated cell types, including hypertrophic chondrocytes, osteoblasts, osteocytes, and osteoclasts. The only extraskelatal site of its synthesis is the trophoblast. This protein binds to calcium and hydroxyapatite via its acidic amino acid clusters, and mediates cell attachment through an RGD sequence that recognizes the vitronectin receptor. [provided by RefSeq, Jul 2008]



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Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: ECM-receptor interaction, Focal adhesion

Product images:

