

Datasheet for ABIN7596203
IBSP Protein (AA 17-317) (His tag)



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Overview

Quantity:	500 µg
Target:	IBSP
Protein Characteristics:	AA 17-317
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IBSP protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Activity Assay (AcA)

Product Details

Sequence:	FSMKNLHRRV KIEDSEENG VFKYRPRYYLY KHAYFYPHLK RFPVQGSSDS SEENGDDSSSE EEEEEEETSN EGENNEESNE DEDSEAENTT LSATTLG YGE DATPGTG YTG LAAIQLPKKA GDITNKATKE KESDEEEEEEE EEGNENESE AEVDENEQGI NGTSTNSTEA ENGNSSGGD NGEEGEEESV TGANAEDTTE TGRQGKGT SK TTTSPNGGFE PTPPQVYRT TSPFPGKTTT VEYEGEYEYT GANEYDNGYE IYSENGEPR GDNRYAYEDE YSYFKGQGYD GYDGQNYHH Q
Purity:	> 90% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1 µg of protein (determined by LAL method)
Biological Activity Comment:	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 µg/ml. This effect is more to 40%.

Target Details

Target:	IBSP
Alternative Name:	IBSP/Sialo II (IBSP Products)
Background:	<p>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.</p> <p>Recombinant human IBSP/Sialoprotein II, fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.</p>
Molecular Weight:	34.3kDa (307aa)
NCBI Accession:	NP_004958

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.