

## Active Recombinant Human IBSP, His-tagged

Cat. No. IBSP-261H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IBSP (Accession # AAC95490) Phe17-Gln317, fused with a C-terminal 10-His tag, was produced in Chinese Hamster Ovary cell line, CHO-derived.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>ProteinLength</b>	17-317 a.a.
<b>Predicted N Terminal</b>	Phe17
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in MES and NaCl.
<b>Bio-activity</b>	Measured by the ability of the immobilized protein to support the adhesion of the MCF-7 human breast cancer cells. When 5 x10 <sup>4</sup> cells/well are added to recombinant human IBSP-coated plates (3 µg/mL with 100 µL/well), approximately 60 - 80% will adhere after 30 minutes at 37° C. Optimal concentration depends on cell type as well as the application or research objectives.
<b>Molecular Mass</b>	Recombinant Human IBSP, His-tagged has a calculated MW of 34.7 kDa. In SDS-PAGE migrates as 75-90 kDa, reducing conditions.
<b>Purity</b>	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In

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lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

## GENE INFORMATION

<b>Gene Name</b>	IBSP integrin-binding sialoprotein [ Homo sapiens ]
<b>Official Symbol</b>	IBSP
<b>Synonyms</b>	IBSP; integrin-binding sialoprotein; bone sialoprotein 2; bone sialoprotein; bone sialoprotein II; BSP; BSP II; SP II; cell-binding sialoprotein; BNSP; SP-II; BSP-II;
<b>Gene ID</b>	3381
<b>mRNA Refseq</b>	NM_004967
<b>Protein Refseq</b>	NP_004958
<b>MIM</b>	147563
<b>UniProt ID</b>	P21815
<b>Chromosome Location</b>	4q21.1

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