Active Recombinant Human IBSP, His-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	CHO
ProteinLength	17-317 a.a.
Predicted N Terminal	Phe17
Form	Lyophilized from a 0.2 μm filtered solution in MES and NaCl.
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of the MCF-7 human breast cancer cells.When 5 x10 4 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.
Molecular Mass	Recombinant Human IBSP, His-tagged has a calculated MW of 34.7 kDa. In SDS-PAGE migrates as 75-90 kDa, reducing conditions.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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

GENE INFORMATION

Gene Name	IBSP integrin-binding sialoprotein [Homo sapiens]
Official Symbol	IBSP
Synonyms	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;
Gene ID	3381
mRNA Refseq	NM_004967
Protein Refseq	NP_004958
MIM	147563
UniProt ID	P21815
Chromosome Location	4q21.1

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