

## Recombinant Human Integrin-binding Sialoprotein, His-tagged

Cat. No. IBSP-2710H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human Bone Sialoprotein with C-terminal His-tag was expressed in <i>ahuman cell line</i> .                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | Human Cells                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | Bone sialoprotein (BSP) is a component of mineralized tissues such as bone, dentin, cementum and calcified cartilage. BSP is a significant component of the bone extracellular matrix and has been suggested to constitute approximately 8% of all non-collagenous proteins found in bone and cementum. |
| <b>Purification</b>     | by affinity chromatography.                                                                                                                                                                                                                                                                             |
| <b>Storage Buffer</b>   | 20 mM TRIS.                                                                                                                                                                                                                                                                                             |
| <b>Purity</b>           | > 95% (SDS-PAGE), reduced band at 70-80 kDa.                                                                                                                                                                                                                                                            |
| <b>Identity</b>         | Immuno-Blot with specific monoclonal Ab.                                                                                                                                                                                                                                                                |
| <b>Contents</b>         | 10 g / 100 g (lyophilized). Resuspend in aqua bidest for required concentration.                                                                                                                                                                                                                        |
| <b>Store At</b>         | 2-8 °C (lyophilized); - 20 °C (dissolved). Repeated thawing and freezing must be avoided.                                                                                                                                                                                                               |

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## GENE INFORMATION

|                     |                                                                                                                                                                                              |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name           | IBSP integrin-binding sialoprotein [ Homo sapiens ]                                                                                                                                          |
| Synonyms            | integrin-binding sialoprotein; BSP; BNSP; SP-II; BSP-II; IBSP; bone sialoprotein 2; BSP II; bone sialoprotein II; cell-binding sialoprotein; Cell-binding sialoprotein; Bone sialoprotein II |
| Gene ID             | 3381                                                                                                                                                                                         |
| mRNA Refseq         | NM_004967                                                                                                                                                                                    |
| Protein Refseq      | NP_004958                                                                                                                                                                                    |
| MIM                 | 147563                                                                                                                                                                                       |
| UniProt ID          | P21815                                                                                                                                                                                       |
| Chromosome Location | 4q21-q25                                                                                                                                                                                     |
| Pathway             | ECM-receptor interaction; Focal adhesion; Integrin cell surface interactions                                                                                                                 |

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