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32-13261: IBSP Human

Alternative Name : Integrin Binding Sialoprotein, Integrin-Binding Sialoprotein, Bone Sialoprotein II, Cell-Binding Sialoprotein, BSP II , BNSP, Bone Sialoprotein, BSP-II, SP-II, BSP.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
Integrin Binding Sialoprotein (IBSP) is a monomeric noncollagenous protein which belongs to the SIBLING family of extracellular matrix (ECM) proteins. IBSP is synthesized by platelets, odontoblasts, osteocytes, osteoblasts, osteoclasts, and bone marrow stromal cells. IBSP forms an integral part of the mineralized matrix and also plays a role as the main mediator of the hypertrophic chondrocytes-induced angiogenesis. IBSP which binds firmly to hydroxyapatite is related to the severity of histological cartilage lesions.
IBSP produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 309 amino acids (17-317aa) and having a molecular mass of 34.5kDa (Migrates at 70-100kDa on SDS-PAGE under reducing conditions).Â

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	IBSP protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4), 10% glycerol and 0.1mM PMSF.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid :	FSMKNLHRRV KIEDSEENGV FKYRPRYYLY KHAYFYPHLK RFPVQGSSDS SEENGDDSSE EEEEEEETSN EGENNEESNE DEDSEAENTT LSATTLGYGE DATPGTGYTG LAAIQLPKKA GDITNKATKE KESDEEEEEE EEGNENEESE AEVDENEQGI NGTSTNSTEA ENGNGSSGGD NGEEGEEESV TGANAEDTTE TGRQGKGTSK TTTSPNGGFE PTTPPQVYRT TSPPFGKTTT VEYEGEYEYT GANEYDNGYE IYESENGEPR GDNYRAYEDE YSYFKGQGYD GYDGQNYYHH QLEHHHHHH.

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