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IBSP, 17-317aa, Human, His tag, Baculovirus

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第三版

别名: Bone sialoprotein 2, IBSP, BNSP, BSP, BSP-II, SP-II, Bone sialoprotein 2, Bone sialoprotein II, BSP, BSP II, BSPII, Cell binding sialoprotein.

描述: IBSP, also known as bone sialoprotein 2, 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. Recombinant human IBSP, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

配方: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol, 0.1mM PMSF.

分子量: 34.5kDa (309aa), 70-100kDa (SDS-PAGE under reducing conditions)

序列:

FSMKNLHRRVKIEDSEENGVFYKRPYYLYKHAYFYPHLKRFPVQGSSDSSEENGDDSEEEEEEEETSNEGENNEESNEDE
DSEAENTTSLATTLGYGEDATPGTGYTGLAAIQLPKKAGDITNKATKEKESDEEEEEEEGNENESEAEVDENEQGINGTS
TNSTEAENGNSSGGDNGEEGEEESVTGANAEDTTETGRQGKGTSKTTTSPNGGFEP TTPPQVYRTTSPFGKTTTVEYE
GEYEYTGANEYDNGYEIYESENGEPRGDNYRAYEDEYSYFKGQGYDGYDGQNYHHHQLHHHHHH

纯度: > 95% by HPLC

浓度: 0.5mg/ml (determined by Absorbance at 280nm)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.