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32-13449: SPARC Human, Sf9

Alternative Name : SPARC, Basement-membrane protein 40, BM-40, Osteonectin, ON, Secreted protein acidic and rich in cysteine, OI17.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
SPARC protein, or secreted protein acidic and rich in cysteine, or osteonectin or basement-membrane protein 40 is a protein that is coded by the SPARC gene in humans. It is a glycoprotein located in bones, that binds to calcium. The osteonectin is secreted from osteoblasts cells when boas are formed, mineralized and promotes the formation and creation of mineral crystals. Asides from calcium, it has been shown that this protein can also bind to collagen.
SPARC Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 295 amino acids (18-303 a.a) and having a molecular mass of 33.8kDa.SPARC is fused to an 9 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	SPARC protein solution (0.5mg/ml) Phosphate-Buffered Saline (pH 7.4) and 10% glycerol.
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 :	ADPAPQQEAL PDETEVVEET VAEVTEVSVG ANPVQVEVGE FDDGAEETEE EVVAENPCQNHHCKHGKVCE LDENNTPMCV CQDPTSCPAP IGEFEKVCSN DNKTFDSSCH FFATKCTLEGTKKGHKLHLD YIGPCKYIPP CLDSELTEFP LRMRDWLKNV LVTLYERDED NNLLTEKQKLRVKKIHENEK RLEAGDHPVE LLARDFEKNY NMYIFPVHWQ FGQLDQHPID GYLSHTELAPLRAPLIPMEH CTTRFFETCD LDNDKYIALD EWAGCFGIKQ KDIDKDLVIH HHHHH