

Recombinant Human SPARC protein(SPARC) (Active)

Catalog No: #AP73607

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Package Size: #AP73607-1 10ug #AP73607-3 100ug #AP73607-5 500ug

Description

Product Name	Recombinant Human SPARC protein(SPARC) (Active)
Brief Description	Recombinant Protein
Purification	>95% as determined by SDS-PAGE and HPLC.
Immunogen Description	Expression Region:18-303aaSequence Info:Full Length of Mature Protein
Other Names	Basement-membrane protein 40, Osteonectin, ON, Secreted protein acidic and rich in cysteine,
Accession No.	P09486
Uniprot	P09486
GeneID	6678;
Calculated MW	36.1 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MSYYHHHHHH DYDIPTTENL YFQGAMGSA+P QQEALPDETE VVEETVAEVT EVSVGANPVQ VEVGEFDDGA EETEEVVVAE NPCQNHCKH GKVCELDENN TPMCVCQDPT SCPAPIGEFE KVCSNDNKTFF DSSCHFFATK CTLEGTKKGH KLHLDYIGPC KYIPPCLDSE LTEFPLMRD WLKNVLTLY ERDEDNLLT EKQKLRVKKI HENEKREAG DHPVELLARD FEKNYNMYIF PVHWQFGQLD QHPIDGYLSH TELAPLRAPL IPMEHCTTRF FETCDLNDK YIALDEWAGC FGIKQKDIDK DLVI
Formulation	0.2 ?m filtered PBS, pH 7.4 ,lyophilized
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Appears to regulate cell growth through interactions with the extracellular matrix and cytokines. Binds calcium and copper, several types of collagen, albumin, thrombospondin, PDGF and cell membranes. There are two calcium binding sites; an acidic domain that binds 5 to 8 Ca(2+) with a low affinity and an EF-hand loop that binds a Ca(2+) ion with a high affinity.

References

PubMed ID: 3410046; 2838412; 2790009; 2338025; 15489334; 17974005; 3597437; 2306517; 3400777; 7495300; 9457905; 8548457; 9233787; 9501084

Research Topic:Cancer

Note: This product is for in vitro research use only