

Product datasheet for **TP727775**

Sparc Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Secreted Protein Acidic and Rich in Cysteine/SPARC (C-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Ala18-Ile302
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Mouse Secreted Protein Acidic and Rich in Cysteine is produced by our Mammalian expression system and the target gene encoding Ala18-Ile302 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	20692
UniProt ID:	P07214
Summary:	Secreted protein acidic and rich in cysteine (SPARC,BM-40) protein belongs to the family of secreted matricellular proteins with similar domain structure. Mouse SPARC protein involved an N-terminal acidic region that binds calcium, a follistatin domain containing Kazal-like sequences, and a C-terminal extracellular calcium (EC) binding domain with two EF-hand motifs. SPARC is produced by fibroblasts, capillary endothelial cells, platelets, and macrophages, especially in areas of tissue morphogenesis and remodeling. It appears to regulate cell growth through interactions with the extracellular matrix and cytokines. SPARC is expressed at high levels in tissues undergoing morphogenesis, remodeling and wound repair. The activity of SPARC is to modulate cell-cell and cell-matrix interactions, and its de-adhesive and growth inhibitory properties in non-transformed cells have led to studies to assess its role in cancer.



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