



# Recombinant Human SPARC-related modular calcium-binding protein 2 (SMOC2)

<b>Product Code</b>	CSB-YP884462HU
<b>Abbreviation</b>	SMOC2
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q9H3U7
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	QKFSALTFL RVDQDKDKDC SLDCAGSPQK PLCASDGRTF LSRCEFQRAK CKDPQLEIAY RGNCKDVSRC VAERKYTQEQ ARKEFQQVFI PECNDDGTYS QVQCHSYTGY CWCVTPNGRP ISGTAVAHKT PRCPGSVNEK LPQREGTGKT DDAAAPALET QPQGDEEDIA SRYPTLWTEQ VKSRQNKTNK NSVSSCDQEH QSALEEAKQP KNDNVVIPEC AHGGLYKPVQ CHPSTGYCWC VLVDTGRPIP GTSTRYEQPK CDNTARAHPA KARDLYKGRQ LQGCPGAKKH EFLTSVLDAL STDMVHAASD PSSSSGRLSE PDPSHTLEER VVHWYFKLLD KNSSGDIGKK EIKPFKRFLR KSKPKKCVK KFVEYCDVNN DKSISVQELM GCLGVAKEDG KADTKKRHTP RGHAESTSNR QPRKQG
<b>Source</b>	Yeast
<b>Target Names</b>	SMOC2
<b>Protein Names</b>	Recommended name: SPARC-related modular calcium-binding protein 2 Alternative name(s): Secreted modular calcium-binding protein 2 Short name= SMOC-2 Smooth muscle-associated protein 2 Short name= SMAP-2
<b>Expression Region</b>	22-446
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This gene encodes a member of the SPARC family (secreted protein acidic and rich in cysteine/osteonectin/BM-40), which are highly expressed during embryogenesis and wound healing. The gene product is a matricellular protein which promotes matrix assembly and can stimulate endothelial cell proliferation and migration, as well as angiogenic activity. Associated with pulmonary function, this secretory gene product contains a Kazal domain, two thymoglobulin type-1 domains, and two EF-hand calcium-binding domains. The encoded protein may serve as a target for controlling angiogenesis in tumor



growth and myocardial ischemia. Alternative splicing results in multiple transcript variants.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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