

Active Recombinant Human SMOC2, His-tagged

Cat. No. SMOC2-332H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SMOC2 (Accession # AAH47583) Gln22-Gly446, fused with a C-terminal 6-His tag, was produced in Chinese Hamster Ovary cell line, CHO-derived.
Species	Human
Source	CHO
ProteinLength	22-446 a.a.
Predicted N Terminal	No results obtained: Gln22 predicted
Form	Lyophilized from a 0.2 µ filtered solution in PBS.
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of A431 human epithelial carcinoma cells. When 5×10^4 cells/well are added to rhSMOC-2 coated plates, cell adhesion is enhanced in a dose dependent manner after 75 minutes at 37 °C. The ED50 for this effect is typically 0.4 - 1.6 µg/mL.
Molecular Mass	Recombinant Human SMOC2, His-tagged has a calculated MW of 48.3 kDa. In SDS-PAGE migrates as 58-66 kDa, reducing conditions.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3

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months (-70°C).

GENE INFORMATION

Gene Name	SMOC2 SPARC related modular calcium binding 2 [Homo sapiens]
Official Symbol	SMOC2
Synonyms	SMOC2; SPARC related modular calcium binding 2; SPARC-related modular calcium-binding protein 2; SMAP2; SMAP-2; SMOC-2; smooth muscle associated protein 2; smooth muscle-associated protein 2; secreted modular calcium-binding protein 2; thyroglobulin type-1 repeat containing protein; DTDP1; MST117; MSTP117; MSTP140; bA37D8.1; bA270C4A.1; dJ421D16.1; RP11-270C4__A.1;
Gene ID	64094
mRNA Refseq	NM_001166412
Protein Refseq	NP_001159884
MIM	607223
UniProt ID	Q9H3U7
Chromosome Location	6q27

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