Active Recombinant Full Length Human SAA2 Protein, C-Flag-tagged

Cat. No. SAA2-220HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SAA2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a member of the serum amyloid A family of apolipoproteins. The encoded preproprotein is proteolytically processed to generate the mature protein. This protein is a major acute phase protein that is highly expressed in response to inflammation and tissue injury. This protein also plays an important role in HDL metabolism and cholesterol homeostasis. High levels of this protein are associated with chronic inflammatory diseases including atherosclerosis, rheumatoid arthritis, Alzheimer's disease and Crohn's disease. This protein may also be a potential biomarker for certain tumors. Finally, antimicrobial activity against S. aureus and E. coli resides in the N-terminal portion of the mature protein.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	Cell treatment
Molecular Mass	13.3 kDa
AA Sequence	MKLLTGLVFCSLVLSVSSRSFFSFLGEAFDGARDMWRAYSDMREANYIGSDKYFHA

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	RGNYDAAKRGPGGAWAAEVISNARENIQRLTGHGAEDSLADQAANKWGRSGRDP NHFRPAGLPEKY TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

GENE INFORMATION

Gene Name	SAA2 serum amyloid A2 [Homo sapiens (human)]
Official Symbol	SAA2
Synonyms	SAA; SAA1
Gene ID	6289
mRNA Refseq	NM_030754.5

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Protein Refseq	NP_110381.2
MIM	104751
UniProt ID	P0DJI9

Coomassie blue staining of purified SAA2 protein.

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