

## Product datasheet for **TP304977M**

### serum amyloid A2 (SAA2) (NM\_030754) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human serum amyloid A2 (SAA2), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204977 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MKLLTGLVFCSLVLSVSSRSFFSFLGEAFDGARDMWRAYSMDREANYIGSDKYFHARGNYDAAKRGPGGA WAAEVISNARENIQRLTGHGAEDSLADQAANKWGRSGRDPNHFRPAGLPEKY
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	13.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	Cell treatment (PMID: <a href="#">29757436</a> )
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_110381</a>
Locus ID:	6289
UniProt ID:	<a href="#">P02735</a> , <a href="#">P0DJ19</a>
RefSeq Size:	594



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Cytogenetics: 11p15.1

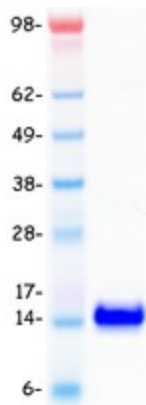
RefSeq ORF: 366

Synonyms: SAA; SAA1

**Summary:** 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. [provided by RefSeq, Jul 2020]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified SAA2 protein (Cat# [TP304977]). The protein was produced from HEK293T cells transfected with SAA2 cDNA clone (Cat# [RC204977]) using MegaTran 2.0 (Cat# [TT210002]).