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Product datasheet for TP750173

Serum Amyloid A (SAA1) (NM_000331) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human serum amyloid A1 (SAA1), transcript variant 1, 19Arg-End, with N-terminal HIS tag, expressed in E.Coli, 50 ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region(19Arg-End) of SAA1
Tag:	N-HIS
Predicted MW:	11.7KDa
Concentration:	>0.05 μg/μL as determined by microplate BCA method
Purity:	> 90% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol
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:	NP_000322
Locus ID:	6288
UniProt ID:	P02735, P0DJI8
RefSeq Size:	678
Cytogenetics:	11p15.1
RefSeq ORF:	366
Synonyms:	PIG4; SAA; SAA2; TP53I4

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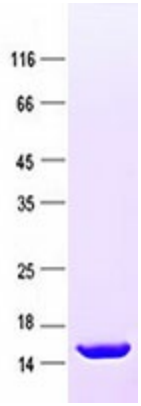
Summary: This gene encodes a member of the serum amyloid A family of apolipoproteins. The encoded preproprotein is proteolytically processed to generate the mature protein. This protein is a major acute phase protein that is highly expressed in response to inflammation and tissue injury. This protein 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. Alternate splicing results in multiple transcript variants that encode the same protein. A pseudogene of this gene is found on chromosome 11. [provided by RefSeq, Jul 2020]

Product images:



Purified recombinant protein SAA1 was analyzed by SDS-PAGE gel and Coomossie Blue Staining.

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