

Product datasheet for **TP727614**

Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Serum amyloid A-2 protein/SAA2(N-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Arg19-Tyr122
Tag:	N-His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM PB,150mM NaCl,1mM EDTA,pH7.4.
Note:	Recombinant Human Serum amyloid A-2 protein is produced by our E.coli expression system and the target gene encoding Arg19-Tyr122 is expressed with a 6His tag at the N-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Synonyms:	SAA; SAA2; Serum Amyloid A2
Summary:	Serum amyloid A-2 protein (SAA2) belongs to the SAA family. It expressed by the liver and secreted in plasma. SAA2 functions as major acute phase reactant and could works as apolipoprotein of the HDL complex. Increased levels of A-SAA in serum are indicative of inflammatory disease. When highly expressed, SAA can displace ApoA1 as the major apolipoprotein in HDL complexes, weakening the function of HDL as a reverse (lipid clearing) cholesterol transporter. A highly charged region of SAA2 and SAA1 (aa 36-68) contains putative fibronectin- and laminin-binding motifs. This region also binds heparin sulfate proteoglycans at mildly acidic pH and promotes aggregation of A-SAA.



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