

Product Name: Recombinant Human SAA2 (N-6His)
Catalog #: PEH1962

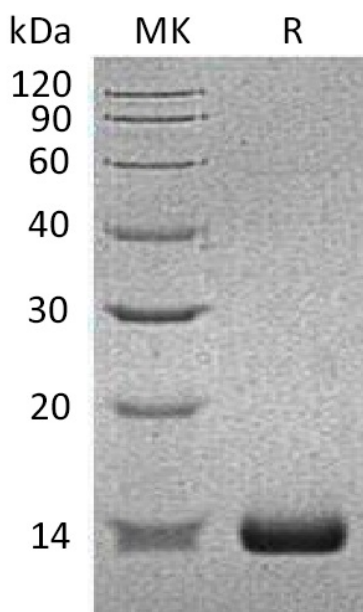


Summary

Name	SAA2/Serum Amyloid A2
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	AAH20795.1
Host	E.coli
Species	Human
Predicted Molecular Mass	13.2 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, 1mM EDTA, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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Alternative Names

SAA; SAA2; Serum Amyloid A2

Background

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.

Note

For Research Use Only , Not for Diagnostic Use.