

Serum amyloid A protein, Cat (P.pastoris, His)

Cat. No.:	HY-P71780
Synonyms:	SAA1; Serum amyloid A protein
Species:	Cat
Source:	P. pastoris
Accession:	P19707 (1E-90G)
Gene ID:	101099498
Molecular Weight:	Approximately 12.1 kDa

PROPERTIES

AA Sequence	EWYSFLGEEA QGAWDMWRAY SDMREANYIG ADKYFHARGN YDAAQRGPGG AWAAKVISDA RENSQRVTDF FRHGNSGHGA EDSKADQEWG
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>Serum Amyloid A Protein emerges as a key player in the acute phase response, serving as a major acute phase reactant. Its dynamic role extends to functioning as an essential apolipoprotein within the high-density lipoprotein (HDL) complex. During acute phase reactions, the heightened expression of Serum Amyloid A reflects its integral involvement in the body's adaptive response to diverse physiological challenges. Additionally, its role as an apolipoprotein emphasizes its contribution to the regulation of lipid metabolism, underscoring the multifaceted nature of Serum Amyloid A in maintaining homeostasis and responding to inflammatory stimuli.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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