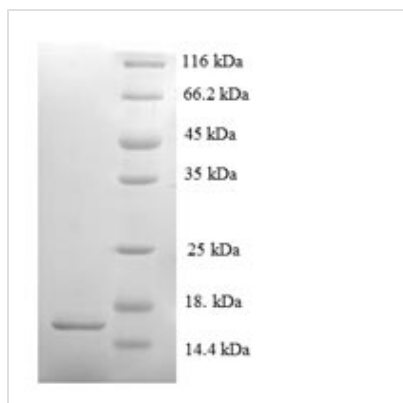




# Recombinant Mouse Serum amyloid A-2 protein (Saa2)

<b>Product Code</b>	CSB-EP020657MO
<b>Relevance</b>	Major acute phase reactant. Apolipoprotein of the HDL complex.
<b>Abbreviation</b>	Recombinant Mouse Saa2 protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P05367
<b>Alias</b>	Amyloid fibril protein AA
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	GFFSFIDGEAFQGAGDMWRAYTDMKEAGWKDGDKYFHARGNYDAAQRGP GG VWAAEKISDARES FQEFFGRGHEDTMADQEANRHGRSGKDPNYYRPPGLPA KY
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Target Names</b>	Saa2
<b>Expression Region</b>	20-122aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	15.6kDa
<b>Protein Length</b>	Full Length of Mature Protein

## Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



## Description

Amino acids 20-122 constitute the expression domain of recombinant Mouse Saa2. The calculated molecular weight for this Saa2 protein is 15.6 kDa. This protein is generated in a e.coli-based system. The Saa2 coding gene included the N-terminal 6xHis tag, which simplifies the detection and purification processes of the recombinant Saa2 protein in following stages of expression and purification.

The mouse serum amyloid A-2 protein (Saa2) is a major acute-phase protein primarily produced in the liver in response to inflammatory stimuli such as infection, tissue injury, or cytokine signaling. It belongs to the serum amyloid A (SAA) family of proteins, which are involved in various immune responses and inflammatory processes. Saa2 is implicated in modulating inflammation, lipid metabolism, and the acute-phase response. Its expression is tightly regulated and can be induced by pro-inflammatory cytokines like IL-6 and TNF- $\alpha$ . Research on Saa2 spans areas such as inflammation, immune responses, and metabolic disorders, aiming to elucidate its role in health and disease, including its potential as a biomarker or therapeutic target for inflammatory conditions.

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.