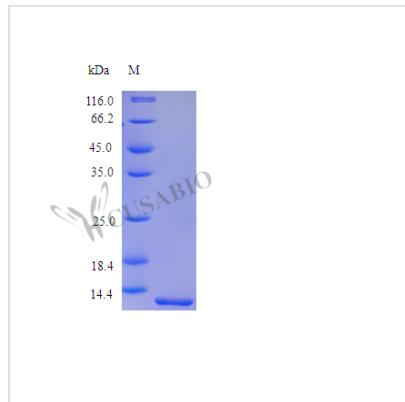




Recombinant Human Serum amyloid A-1 protein (SAA1) (Active)

Product Code	CSB-AP000441HU
Abbreviation	Recombinant Human SAA1 protein (Active)
Uniprot No.	P0DJ18
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM Tris-HCl, pH 9.0, 150 mM NaCl
Product Type	Other
Immunogen Species	Homo sapiens (Human)
Biological Activity	Fully biologically active when compared to standard. The biological activity determined by a chemoattract bioassay using human monocytes is in a concentration range of 10-100 ng/ml.
Purity	>98% as determined by SDS-PAGE.
Sequence	RSFFSFLGEA FDGARDMWRA YSDMREANYI GSDKYFHARG NYDAAKRGPG GVWAAEAISD ARENIQRFFG HGAEDSLADQ AANEWGRSGK DPNHFRPAGL PEKY
Research Area	Immunology
Source	E.Coli
Target Names	SAA1
Expression Region	19-122aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag-Free
Mol. Weight	11.7 kDa
Protein Length	Full Length of Mature Protein
PubMed ID	3839415; 3183061; 1656519; 16554811; 15489334; 1971508; 7115671; 1546977; 6155694; 5055786; 5056669; 4816450; 1463770; 1259755; 11946204; 3442653; 12973732; 8783012; 8670280; 10211414; 12606051; 8512321; 24275569; 24706838
Image	



Description

Recombinant Human SAA1 is a full-length, tag-free mature protein representing the 19-122aa expression region of the Serum amyloid A-1 protein, which plays a vital role in immunology research. Expressed in *E. coli*, this protein exhibits exceptional purity, greater than 98%, as confirmed by both SDS-PAGE and HPLC. The endotoxin level is maintained below 1.0 EU/μg, as established by the LAL method. SAA1's bioactivity is fully comparable to the standard and is determined by a chemoattract bioassay using human monocytes, with effective concentration ranges between 10 and 100 ng/mL. The product is provided as a lyophilized powder, facilitating convenient storage and application in diverse research contexts.

Endotoxin

Less than 1.0 EU/μg as determined by LAL method.

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.