Recombinant SAA2 protein (His tag)

Catalog Number	544361
Synonyms	SAA2; AA2
Species	Human
Expression System	E. coli
Accession	P0DJI9
Molecular Weight	Predictes a molecular mass of 13.30 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 13 kDa band.

Product Information

Sequence Region	19-122
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 19-122 aa (P0DJI9) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Human Serum Amyloid A-2 Protein (SAA2) Fragment (residues 19-122) is a highly stable and soluble protein unit designed for structural and biochemical studies. This 104-amino acid fragment, derived from the major acute phase reactant SAA2, retains key functional regions and is ideal for investigating inflammation-related mechanisms. Serum Amyloid A-2 (SAA2) is a major acute phase reactant in humans, playing a critical role in the inflammatory response. As an acute phase protein, its expression increases significantly during inflammation, contributing to host defense and tissue repair processes. The full-length protein is secreted into the extracellular space, where it functions in immune modulation and lipid metabolism. The recombinant fragment (residues 19-122) encompasses stable structural domains that preserve essential functional characteristics, enabling detailed analysis of SAA2's biological activities without the complexities of the full-length protein.