

## Recombinant Human SAA4 Protein (GST Tag)

**Catalog No.** PKSH031155

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

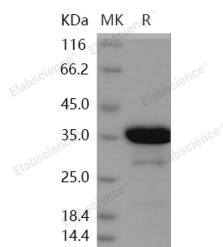
### Description

<b>Synonyms</b>	Serum Amyloid A-4 Protein;Constitutively Expressed Serum Amyloid A Protein;C-SAA;SAA4;CSAA
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Glu19-Tyr130
<b>Accession</b>	P35542
<b>Calculated Molecular Weight</b>	39.8 kDa
<b>Observed molecular weight</b>	36 kDa
<b>Tag</b>	N-GST
<b>Bioactivity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 93 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	Please contact us for more information.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile PBS, 0.5% Triton X-100, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



> 93 % as determined by reducing SDS-PAGE.

### Background

SAA4 is a member of the SAA family. SAA proteins are family of apolipoproteins of high density lipoprotein (HDL).

### For Research Use Only

They can be separated into two distinct groups. First group (SAA1; SAA2; and SAA3) consists of acute phase reactant whose expression level increase in the blood in a response to trauma; infection; inflammation; and neoplasia. These acute phase SAAs associates with HDL during inflammation and remodel the HDL particle by displacing Apo-A1. The second distinct group consists of SAA4 and SAA5 which exist as the minor apolipoproteins on HDL; but this group of SAA constitutes more than 90% of all the SAA during homeostasis; and it is thought to play a role in the normal functioning of the HDL particle. SAA4 is a constitutively expressed protein which expressed only in humans and mice. It is connected almost completely with lipoproteins of the high density range. The physiological function of SAA4 is unknown; and its serum concentration has no association with those of other major apolipoproteins.