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## Recombinant human SAA1 protein, His tag

Catalog Number: bs-41127P

AA Seq: 19-122/122

Predicted MW: 14

Detected MW: 18 kDa

Tags: His

Activity: Not tested

Endotoxin: Not analyzed

Purity: >95% as determined by SDS-PAGE

Purification: AC

Form: Lyophilized or Liquid

Storage: 20mM Tris-HCl (pH8.0) with 150mM NaCl.

Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

**Background:** This gene encodes a member of the serum amyloid A family of apolipoproteins. The encoded protein is a major acute phase protein that is highly expressed in response to inflammation and tissue injury. This protein also plays an important role in HDL metabolism and cholesterol homeostasis. High levels of this protein are associated with chronic inflammatory diseases including atherosclerosis, rheumatoid arthritis, Alzheimer's disease and Crohn's disease. This protein may also be a potential biomarker for certain tumors. Alternate splicing results in multiple transcript variants that encode the same protein. A pseudogene of this gene is found on chromosome 11.[provided by RefSeq, Jun 2012]

### VALIDATION IMAGES

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The purity of the protein is greater than 50% as determined by reducing SDS-PAGE.

### PRODUCT SPECIFIC PUBLICATIONS

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**[IF=6.14]** Liang Huang. et al. Hue-Recognition Strategy-Based Immunoassay Using Functionalized Dendritic Silica Colloids and Gold Nanoclusters for Point-of-Care Testing of C-Reactive Proteins. ACS APPL NANO MATER. 2022;XXXX(XXX):XXX-XXX Other ; . 10.1021/acsanm.2c03695