

Bioactive

# SAA1 (Human) Recombinant Protein

Catalog # P9173

Size 50 ug

## Specification

|                      |                                                                                                                                                                                                     |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description  | Human SAA1 recombinant protein expressed in <i>Escherichia coli</i> .                                                                                                                               |
| Sequence             | RSFFSFLGEAFDGARDMWRAYSDMREANYIGSDKYFHARGNYDAAKRGPGGVWAAEAISNARE<br>NIQRFFGRGAEDSLADQAANEWGRSGKDPNHFRPAGLPEKY                                                                                        |
| Host                 | Escherichia coli                                                                                                                                                                                    |
| Theoretical MW (kDa) | 11.7                                                                                                                                                                                                |
| Form                 | Lyophilized                                                                                                                                                                                         |
| Preparation Method   | <i>Escherichia coli</i> expression system                                                                                                                                                           |
| Purification         | chromatographic                                                                                                                                                                                     |
| Purity               | > 98% as determined by (a) RP-HPLC.(b) SDS-PAGE.                                                                                                                                                    |
| Activity             | The biological activity determined by the ability to down-regulate lipid biosynthesis in aortic smooth muscle cells, and the effective concentration was 4 M.                                       |
| Storage Buffer       | Protein (1 mg/mL) was lyophilized from a solution containing 20 mM Tris-HCl, pH 9.0, 150 mM NaCl. Reconstitute the lyophilized powder in ddH <sub>2</sub> O to 100 ug/mL.                           |
| Storage Instruction  | Lyophilized protein at room temperature for 3 weeks, should be stored at -20°C. Protein aliquots at 4 °C for 2-7 days and should be stored at -20°C to -80°C.<br>Avoid repeated freeze/thaw cycles. |

## Applications

- Functional Study

## Gene Info — SAA1

|                    |                                       |
|--------------------|---------------------------------------|
| Entrez GeneID      | <a href="#">6288</a>                  |
| Protein Accession# | <a href="#">P0DJ18</a>                |
| Gene Name          | SAA1                                  |
| Gene Alias         | MGC111216, PIG4, SAA, TP53I4          |
| Gene Description   | serum amyloid A1                      |
| Omim ID            | <a href="#">104750</a>                |
| Gene Ontology      | <a href="#">Hyperlink</a>             |
| Other Designations | tumor protein p53 inducible protein 4 |

## Disease

- [Alzheimer disease](#)
- [Amyloidosis](#)
- [Arthritis](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Familial Mediterranean fever](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)