Recombinant human Serum Amyloid A4/SAA4 protein

Catalog Number: ATGP0793

PRODUCT INFORMATION

Expression system
E.coli

Domain
21-130aa

UniProt No.
P35542

NCBI Accession No.
NP_006503.2

Alternative Names
Serum amyloid A-4 protein, CSAA, Constitutively expressed serum amyloid A protein

PRODUCT SPECIFICATION

Molecular Weight
14.9 kDa (131aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 5mM DTT, 0.2M NaCl, 0.5mM EDTA

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
SAA4 is a constitutively expressed protein belonging to the SAA family. It is a major acute phase reactant and an apolipoprotein of the HDL complex. SAA4 is constitutively expressed only in humans and mice, is associated almost entirely with lipoproteins of the high density range. Its physiological function is unknown and its serum concentration has no relationship with those of other major apolipoproteins. The presence of SAA4 mRNA and protein in macrophage derived foam cells of coronary and carotid arteries suggested a specific role of human SAA4 during inflammation including atherosclerosis. Recombinant human SAA4 protein, fused to His-tag at N-

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terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

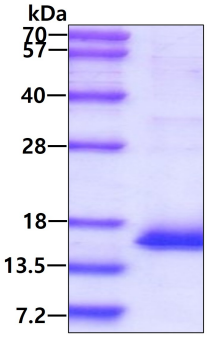
<MGSSHHHHHH SSGLVPRGSH M>WRSFFKEAL QGVGDMGRAY WDIMISNHQN SNRYLYARGN YDAAQRGPGG VWAAKLISRS RVYLQGLIDY YLFGNSSTVL EDSKSNEKAE EWGRSGKDPD RFRPDGLPKK Y

General References

Badolato R., et al. (2000) J Leukoc Biol. 67(3):381-6.
Artl A., et al. (2000) Arterioscler Thromb Vasc Biol. 20(3):763-72.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.