

GTP-Binding Protein SAR1B Recombinant Protein | SAR1B recombinant protein

Recombinant Human GTP-Binding Protein SAR1B

CATALOG # AAA38427	HOST E Coli
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PRODUCT SYNONYMS

GTP-Binding Protein SAR1B; Recombinant Human GTP-Binding Protein SAR1B; SAR1B Human; GTP-Binding Protein SAR1B Human Recombinant; GTP-binding protein SAR1b; GTP-binding protein B; GTBPB; SAR1B; SARA2; SARB; ANDD; CMRD; SAR1B recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	SAR1B protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl and 10% glycerol. Sterile Filtered colorless solution.
Sequence	MGSSHHH HHHSSGLVPR GSHMGS MSFIFDWIYS GFSSVLQFLG LYKKTGKLVF LGLDNAGKTT LLHMLKDDRL GQHVPTLHPT SEELTIAGMT FTFDLGGHV QARRVWKNYL PAINGIVFLV DCADHERLLE SKEELDSLMT DETIANVPIL ILGNKIDRPE AISEERLREM FGLYGQTTGK GSISLKELNA RPLEVFMCSV LKRQGYGEGF RWMAQYID.< /u>
Sequence Length	198
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for SAR1B recombinant protein	Description: SAR1B Human Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 221 amino acids (1-198 a.a) and having a molecular mass of 24.8kDa.SAR1B is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Introduction: SAR1B is a small GTPase that functions as a homodimer. GTP-Binding Protein SAR1B (SAR1b) is involved in transport from the endoplasmic reticulum to the Golgi apparatus and also in the selection of the protein cargo and the assembly of the COPII coat complex. The SAR1B protein is activated by the guanine nucleotide exchange factor PREB. SAR1B gene defects are a cause of chylomicron retention disease (CMRD), also known as Anderson disease (ANDD).
Product Categories/Family for SAR1B recombinant protein	Recombinant & Natural Proteins ; Recombinant Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	75709204
NCBI GeneID	51128
NCBI Accession #	NP_001028675.1
NCBI GenBank Nucleotide #	NM_001033503.2
UniProt Accession #	Q9Y6B6 ; Q567T4 ; D3DQA4
Molecular Weight	22,410 Da

NCBI Official Full Name	GTP-binding protein SAR1b
NCBI Official Synonym Full Names	secretion associated, Ras related GTPase 1B
NCBI Official Symbol	SAR1B
NCBI Official Synonym Symbols	ANDD; CMRD; GTBPB; SARA2
NCBI Protein Information	GTP-binding protein SAR1b; 2310075M17Rik; GTP-binding protein B; GTP-binding protein Sara; SAR1 homolog B; SAR1a gene homolog 2
UniProt Protein Name	GTP-binding protein SAR1b
UniProt Gene Name	SAR1B
UniProt Synonym Gene Names	SARA2; SARB; GTBPB
UniProt Entry Name	SAR1B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/sar1b-recombinant-protein-e-coli/38427>