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# Product datasheet for PH310593

## SAR1B (NM_016103) Human Mass Spec Standard

### Product data:

| | |
|---|---|
| **Product Type:** | Mass Spec Standards |
| **Description:** | SAR1B MS Standard C13 and N15-labeled recombinant protein (NP_057187) |
| **Species:** | Human |
| **Expression Host:** | HEK293 |
| **Expression cDNA Clone or AA Sequence:** | RC210593 |
| **Predicted MW:** | 22.4 kDa |
| **Protein Sequence:** | >RC210593 protein sequence<br>Red=Cloning site Green=Tags(s)<br><br>MSFIFDWIYSGFSSVLQFLGLYKKTGKLVFLGLDNAGKTTLLHMLKDDRLGQHVPTLHPTSEELTIAGMT<br>FTTFDLGGHVQARRVWKNYLPAINGIVFLVDCADHERLLESKEELDSLMTDETIANVPILILGNKIDRPE<br>AISEERLREMFGLYGQTTGKGSISLKELNARPLEVFMCSVLKRQGYGEGFRWMAQYID<br><br>TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| **Tag:** | C-Myc/DDK |
| **Purity:** | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| **Concentration:** | >0.05 µg/µL as determined by microplate BCA method |
| **Labeling Method:** | Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine |
| **Buffer:** | 25 mM Tris-HCl, 100 mM glycine, pH 7.3 |
| **Storage:** | Store at -80°C. Avoid repeated freeze-thaw cycles. |
| **Stability:** | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| **RefSeq:** | NP_057187 |
| **RefSeq Size:** | 6532 |
| **RefSeq ORF:** | 594 |
| **Synonyms:** | ANDD; CMRD; GTBPB; SARA2 |
| **Locus ID:** | 51128 |
| **UniProt ID:** | Q9Y6B6 |

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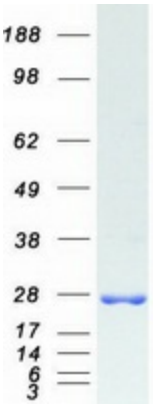
**Cytogenetics:** 5q31.1

**Summary:** The protein encoded by this gene is a small GTPase that acts as a homodimer. The encoded protein is activated by the guanine nucleotide exchange factor PREB and is involved in protein transport from the endoplasmic reticulum to the Golgi. This protein is part of the COPII coat complex. Defects in this gene are a cause of chylomicron retention disease (CMRD), also known as Anderson disease (ANDD). Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Mar 2010]

## Product images:




Coomassie blue staining of purified SAR1B protein (Cat# [TP310593]). The protein was produced from HEK293T cells transfected with SAR1B cDNA clone (Cat# [RC210593]) using MegaTran 2.0 (Cat# [TT210002]).