

Product datasheet for PH313692

SAR1B (NM_001033503) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SAR1B MS Standard C13 and N15-labeled recombinant protein (NP_001028675)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213692
Predicted MW:	22.4 kDa
Protein Sequence:	>RC213692 protein sequence Red=Cloning site Green=Tags(s) MSFIFDWIYSGFSSVLQFLGLYKKTGKLVFLGLDNAGKTTLLHMLKDDRLGQHVPTLHPTSEELTIAGMT FTTFDLGGHVQARRVWKNYLPAINGIVFLVDCADHERLLESKEELDSLMTDETIANVPILILGNKIDRPE AISEERLREMFGLYGQTTGKGSISLKELNARPLEVFMCSVLKRQGYGEGFRWMAQYID TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_001028675
RefSeq Size:	6651
RefSeq ORF:	594
Synonyms:	ANDD; CMRD; GTBPB; SARA2
Locus ID:	51128
UniProt ID:	Q9Y6B6

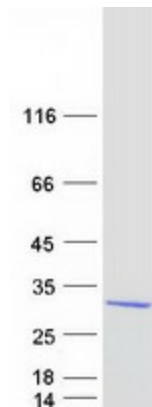


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Cytogenetics: 5q31.1

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# [TP313692]). The protein was produced from HEK293T cells transfected with SAR1B cDNA clone (Cat# [RC213692]) using MegaTran 2.0 (Cat# [TT210002]).