

Product information



SAR1A, 1- 198 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0347

Full name: SAR1a gene homolog 1

NCBI Accession No.: NP_064535

Synonyms: COPII-associated small GTPase, Masra2, SAR1, Sara, SARA1

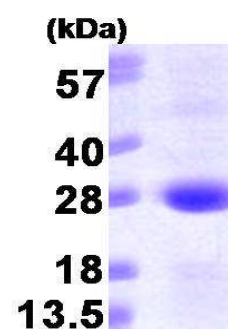
Description: SAR1a gene homolog 1, also known as SAR1A, belongs to the small GTPase superfamily. Sar1 is an essential component of COPII vesicle coats involved in export of cargo from the ER. The GTPase activity of Sar1 functions as a molecular switch to control protein-protein and protein-lipid interactions that direct vesicle budding from the ER. GDP-bound Sar1 interacts with the membrane-bound exchange factor Sec12 and exchanges its bound GDP for GTP. Recombinant human SAR1A, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 1mM DTT, 10% glycerol

Molecular Weight: 24.5 kDa (218aa)

Purity: > 90% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MSFIFEWIYN GFSSVLQFLG LYKKSGLVF LGLDNAGKTT LLHMLKDDRL GQHVPTLHPT SEELTIAGMT
FTTFDLGGHE QARRVWKNYL PAINGIVFLV DCADHSRLVE SKVELNALMT DETISNPIL ILGNKIDRTD AISEEKLREI FGLYGQTTGK
GNVTLKELNA RPMEVFMCSV LKRQGYGEGF RWLSQYID

General references:

Jones B., *et al.* (2003) *Nat Genet.* 34(1):29-31.

Bi X., *et al.* (2007) *Dev Cell.* 13(5):635-45.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

Product information



Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

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