

**SAR1A PROTEIN**

产品名称: Sar1a 蛋白

货号 10114

产品全名: Sar1a 蛋白

基因符号 SAR1 homolog A, SAR1, Sara, SARA1, Masra2

**Source:** Human, recombinant full length, His6-tag

**Expression** 种属反应性: E. coli

分子量: 22 kDa

纯化: >95% by SDS-PAGE

**Introduction:** Small GTPases are a super-family of cellular signaling regulators. Sar1 is a member of these small GTPases. Sar1 functions as a molecular switch to control protein-protein and protein-lipid interactions that direct vesicle budding from the ER.

**Amino Acid Sequence** (1-198)

MSFIFEWIYNGFSSVLQFLGLYKKSGKLVFLGLDNAGKTTLLHMLKDDRLGQHVPTLHPTSEELTIA  
GMTFTTFDLGGHEQARRVWKNYLPAINIGIVFLVDCADHSRLVESKVELNALMTDETISNVPILILGN  
KIDRTDAISEEKLREIFGLYGQTTGKGNVTLKELNARPMEVFMCSVLKRQGYGEGFRWLSQYID

**Properties**

**Physical Appearance (form):** Dissolved in 20mM Tris-HCl, pH8.0, 150mM NaCl.

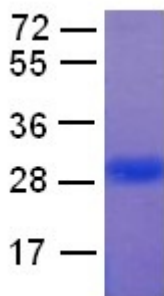
**Physical Appearance (form):** White or clear

**Concentration:** 1 mg/mL

**Storage:** -80°C

**Preparation Instructions:**

Centrifuge the vial before open the cap and reconstitute in water. Adding of 10 mM  $\beta$ -mercaptoethanol or 1 mM DTT into the solution to protect the protein is recommended and using of non-ionic detergents such as n-Dodecyl  $\beta$ -D-maltoside (DoDM) or polyethylene detergents (e.g. C12E10) also help to stabilize the protein. Avoid repeated freezing and thawing after reconstitution. The purity of His-tagged Sar1a was determined by SDS- PAGE and Coomassie Brilliant Blue Staining.

**References:**

1. He, H. et al., Gene Expr. 10: 231-242, 2002.
2. Jones, B. et al., Nature Genet. 34: 29-31, 2003.

3. South, S. T. et al., J. Cell Biol. 149: 1345-1359, 2000.