

32-4769: Recombinant Human GTP-Binding Protein SAR1B

Alternative Name : GTP-binding protein SAR1b,GTP-binding protein B,GTBPB,SAR1B,SARA2,SARB,ANDD,CMRD.

Description

Source : Escherichia Coli. 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. 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 Info

Amount :	20 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	SAR1B protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°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.
Amino Acid :	MGSSHHHHHH SGLVPRGSH MGSMSFIDW IYSGFSSVLQ FLGLYKKTGK LVFLGLDNAG KTTLLHMLKD DRLGQHVPTL HPTSEELTIA GMTFTTFDLG GHVQARRVWK NYLPAINGIV FLVDCADHER LLESKEELDS LMTDETIANV PILILGNKID RPEAISEERL REMFGLYGQT TGKGSISLKE LNARPLEVFM CSVLKROGYG EGFRWMAQYI D.