

## AR50072PU-S

## Human RAB24 (1-203, His-tag) - Purified

**Alternate names:**

Rab-24, Ras-related protein Rab-24

**Quantity:**

0.1 mg

**Concentration:**

0.5mg/ml (determined by Bradford assay)

**Background:**

RAB24 belongs to the small GTPase superfamily. Members of the Rab GTPase family regulate intracellular protein trafficking, but the specific function of RAB24 remains unknown. RAB24 is distributed in the endoplasmic reticulum/cis-Golgi region and on late endosomal structures, and this subcellular distribution pattern of RAB24 may indicate its involvement in autophagy-related processes. RAB24 presents unusual characteristics, including low intrinsic GTPase activity, and is inefficiently prenylated when compared with other Rab proteins. Also suggested that RAB24 might play a unique role in the degradation of misfolded cellular proteins or trafficking of proteins to the nuclear envelope.

**Uniprot ID:**

[Q969Q5](#)

**NCBI:**

[NP\\_570137.2](#)

**GenelD:**

[53917](#)

**Species:**

Human

**Source:**

E. coli

**Format:**

**State:** Liquid purified protein

**Purity:** >90% by SDS - PAGE

**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 30% glycerol, 100mM NaCl, 1mM EDTA

**Description:**

Recombinant human RAB24 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**AA Sequence:**

MGSSHHHHHH SSGLVPRGSH MGSMSGQRV DVKVVMLGKE YVGKTSLVER YVHDRFLVGP  
YQNTIGAAAFV AKVMSVGDR TLTGIWDTAG SERYEAMSRI YYRGAKAAIV CYDLTDSSSF  
ERAKFWVKEL RSLEEGCQIY LCGTKSDLLE EDRRRRRVDF HDVQDYADNI KAQLFETSSK  
TGQSVDEL FQ KVAEDYVSVA AFQVMTEDKG VDLGQKPNPY FYSCCHH

**Molecular weight:** 25.7 kDa (227aa), confirmed by MALDI-TOF

**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

**General Readings:**

Maltese WA, et al. (2002) BMC Cell Biol. 3:25. Wu M, Yin G, et al. (2006) Int J Mol Med. 17(5):749-54.

Pictures:

