Recombinant Human RAB14, His-tagged

Cat. No. RAB14-3587H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RAB14 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography (1-215aa).
Species	Human
Source	E.coli
Description	RAB14 is a member of the RAB protein family, low molecular mass monomeric GTPases localized on the cytoplasmic surfaces of distinct membrane bound organelles. This protein is thought to be involved in vesicular trafficking and neurotransmitter release throughout the body and is expressed at high levels in brain, lung, kidney, spleen and thymus. It is involved in the biosynthetic/recycling pathway between the Golgi and endosomal compartments.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl,1mM DTT
Molecular Weight	26.3 kDa(238aa), confirmed by MALDI-TOF
Purity	> 90% by SDS - PAGE
Concentration	0.5 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MGSMATAPYN YSYIFKYIII GDMGVGKSCL LHQFTEKKFM ADCPHTIGVE FGTRIIEVSG QKIKLQIWDT AGQERFRAVT RSYYRGAAGA LMVYDITRRS TYNHLSSWLT DARNLTNPNT VIILIGNKAD

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	LEAQRDVTYE EAKQFAEENG LLFLEASAKT GENVEDAFLE AAKKIYQNIQ DGSLDLNAAE SGVQHKPSAP QGGRLTSEPQ PQREGCGC
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.

GENE INFORMATION

Gene Name	RAB14 RAB14, member RAS oncogene family [Homo sapiens]
Official Symbol	RAB14
Synonyms	RAB14; FBP; RAB-14; RAB14, member RAS oncogene family; ras-related protein Rab-14; Ras-related protein Rab-14; OTTHUMP00000022008; bA165P4.3 (member RAS oncogene family); OTTHUMP00000022009; F protein-binding protein 1; small GTP binding protein RAB14
Gene ID	51552
mRNA Refseq	NM_016322
Protein Refseq	NP_057406
MIM	612673
UniProt ID	P61106
Chromosome Location	9q32-q34.11
Function	GDP binding; GTP binding; GTPase activity; glycoprotein binding; nucleotide binding;

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	protein binding
PDBrendering based on 1z0f.	

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