

Recombinant Human RAB4A, T7-tagged

Cat. No. RAB4A-2977H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RAB4A (1-213 aa) is expressed in <i>E. Coli</i> with a T7 tag at N-terminus.
Species	Human
Source	E.coli
Protein Length	1-213 a.a.
Description	Dual-specific A-kinase-anchoring protein 2 (D-AKAP2/AKAP10), which interacts at its carboxyl terminus with protein kinase A and PDZ domain proteins, contains two tandem regulator of G-protein signaling (RGS) domains for which the binding partners have remained unknown. We show here that these RGS domains interact with Rab11 and GTP-bound Rab4, the first demonstration of RGS domains binding small GTPases. Rab4 and Rab11 help regulate membrane trafficking through the endocytic recycling pathways by recruiting effector proteins to specific membrane domains.
MW	23871 Da.
Purity	95%.
Formulation	10 mM Tris. pH 8.0. 0.1% Triton X-100. 0.002% NaN3. 10mM DTT.
Application	MS. SDS.

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GENE INFORMATION

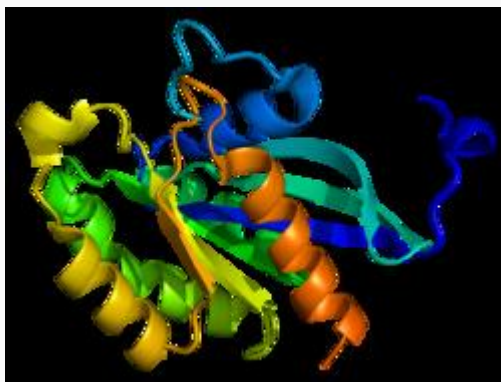
Gene Name	RAB4A RAB4A, member RAS oncogene family [Homo sapiens]
Synonyms	RAB4A; RAB4A, member RAS oncogene family;Oncogene RAB4; RAB4, member RAS oncogene family; ras-related protein Rab-4A; HRES-1/RAB4; RAB4
Gene ID	5867
mRNA Refseq	NM_004578
Protein Refseq	NP_004569
MIM	179511
UniProt ID	P20338
Chromosome Location	1q42-q43
Pathway	Endocytosis
Function	GDP binding; GTPase activity; ionotropic glutamate receptor binding; protein transporter activity; syntaxin binding

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