

Recombinant Human RAB6B, His-tagged

Cat. No. RAB6B-3413H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RAB7A protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	Ras-related protein Rab-7a, also known as RAB7A, is a member of the Ras superfamily of small Rab GTPases. RAB7A associates with the RIPL effector protein to control membrane trafficking from early to late endosome and to lysosomes. RAB7A has also been shown to regulate growth receptor endocytic trafficking, degradation, maturation of phagosome and autophagic vacuoles.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 30% glycerol, 100mM NaCl
Molecular Weight	25.6 kDa (227aa), confirmed by MALDI-TOF
Purity	> 90% by SDS - PAGE
Concentration	0.5 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MTSRKKVLLK VIILGDSGVG KTSLMNQYVN KKFSNQYKAT IGADFLTKEV MVDDRLVTMQ IWDTAGQERF QSLGVAFYRG ADCCVLVFDV TAPNTFKTLD SWRDEFLIQA SPRDPENFPF VVLGNKIDLE

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NRQVATKRAQ AWCYSKNNIP YFETSAKEAI NVEQAFQTIA RNALKQETEV
ELYNEFPEPI KLDKNDRAKA SAESCSC

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

RAB7A RAB7A, member RAS oncogene family [Homo sapiens]

Synonyms

RAB7A, member RAS oncogene family; RAB7; PRO2706; FLJ20819; 3q21.3; ras-related protein Rab-7a; OTTHUMP00000216583; Ras-associated protein RAB7; OTTHUMP00000216578; OTTHUMP00000216579

Gene ID

7879

MIM

602298

UniProt ID

P51149

**Chromosome
Location**

3q21.3

Pathway

Amoebiasis; Phagosome; Endocytosis

Function

GTP binding; GTPase activity; nucleotide binding; protein binding

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PDBrendering based
on 1t91

