Recombinant Full Length Human RAB8A Protein

Cat. No. RAB8A-419HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human RAB8A with N terminal proprietary tag; predicted MWt 48.77 kDa inclusive of tag; P61006, AAH02977.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	207 amino acids
Description	The protein encoded by this gene is a member of the RAS superfamily which are small GTP/GDP-binding proteins with an average size of 200 amino acids. The RAS-related proteins of the RAB/YPT family may play a role in the transport of proteins from the endoplasmic reticulum to the Golgi and the plasma membrane. This protein shares 97%, 96%, and 51% similarity with the dog RAB8, mouse MEL, and mouse YPT1 proteins, respectively and contains the 4 GTP/GDP-binding sites that are present in all the RAS proteins. The putative effector-binding site of this protein is similar to that of the RAB/YPT proteins. However, this protein contains a C-terminal CAAX motif that is characteristic of many RAS superfamily members but which is not found in YPT1 and the majority of RAB proteins. Although this gene was isolated as a transforming gene from a melanoma cell line, no linkage between MEL and malignant melanoma has been demonstrable. This oncogene is located 800 kb distal to MY09B on chromosome 19p13.1.
Form	Liquid

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Molecular Mass	48.770kDa inclusive of tags
AA Sequence	MAKTYDYLFKLLLIGDSGVGKTCVLFRFSEDAFNSTFIST IGIDFKIRTIELDGKRIKLQI WDTAGQERFRTITTAYYRG AMGIMLVYDITNEKSFDNIRNWIRNIEEHASADVEKMIL G NKCDVNDKRQVSKERGEKLALDYGIKFMETSAKANINVEN AFFTLARDIKAKMDK KLEGNSPQGSNQGVKITPDQQKRSS FFRCVLL
Purity	Proprietary Purification
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
Storage Buffer	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name	RAB8A RAB8A, member RAS oncogene family [Homo sapiens]
Official Symbol	RAB8A
Synonyms	RAB8A; RAB8A, member RAS oncogene family; MEL, mel transforming oncogene (derived from cell line NK14); ras-related protein Rab-8A; RAB8
Gene ID	4218
mRNA Refseq	NM_005370
Protein Refseq	NP_005361
MIM	165040

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UniProt ID	P61006

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