

Recombinant Full Length Human RAB8A Protein, C-Flag-tagged

Cat. No. RAB8A-285HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human RAB8A Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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Molecular Mass	23.5 kDa
AA Sequence	MAKTYDYLFKLLIGDSGVGKTCVLFRFSEDAFNSTFISTIGIDFKIRTIELDGKRIKLQI WDTAGQERF RTITTAYYRGAMGIMLVYDITNEKSFDNIRNWIRNIEEHASADVEKMIL GNKCDVNDKRQVSKERGEKLA LDYGIKFMETSAKANINVENAFFTLARDIKAKMDK KLEGNSPQGSNQGVKITPDQQKRSSFFRCVLLTRTRPLEQKLISEEDLAANDILDYK DDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transcription Factors
Full Length	Full L.

GENE INFORMATION

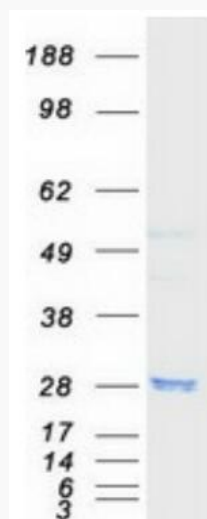
Gene Name	RAB8A RAB8A, member RAS oncogene family [Homo sapiens (human)]
Official Symbol	RAB8A
Synonyms	MEL; RAB8

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Gene ID	4218
mRNA Refseq	NM_005370.5
Protein Refseq	NP_005361.2
MIM	165040
UniProt ID	P61006



Coomassie blue staining of purified RAB8A protein.