Recombinant Human RAB8A Protein, C-6×His tagged

Cat. No. RAB8A-311H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RAB8A Protein with C-6×His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1-203 a.a.
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.
Molecular Mass	~ 24 kDa
AA Sequence	AKTYDYLFKLLLIGDSGVGKTCVLFRFSEDAFNSTFISTIGIDFKIRTIELDGKRIKLQIW

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	DTAGQERFRTITTAYYRGAMGIMLVYDITNEKSFDNIRNWIRNIEEHASADVEKMILG NKCDVNDKRQVSKERGEKLALDYGIKFMETSAKANINVENAFFTLARDIKAKMDKKL EGNSPQGSNQGVKITPDQQKRSSFFRCHHHHHH
Endotoxin	< 1 EU/μg (determined by the LAL method)
Purity	> 85% as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	0.12 mg/mL
Storage Buffer	Supplied in PBS buffer, pH 7.4

GENE INFORMATION

Gene Name	RAB8A RAB8A, member RAS oncogene family [Homo sapiens (human)]
Official Symbol	RAB8A
Synonyms	RAB8A; RAB8A, member RAS oncogene family; MEL; RAB8; ras-related protein Rab-8A; mel transforming oncogene (RAB8 homolog); mel transforming oncogene (derived from cell line NK14); mel transforming oncogene (derived from cell line NK14)- RAB8 homolog; oncogene c-mel; ras-associated protein RAB8; EC 3.6.5.2
Gene ID	4218
mRNA Refseq	NM_005370
Protein Refseq	NP_005361

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MIM	165040
UniProt ID	P24407
SDS-PAGE analysis profile of purified RAB8A	

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