Recombinant Human RAP1A Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RAP1A-6523H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RAP1A MS Standard C13 and N15-labeled recombinant protein (NP_002875) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the Ras family of small GTPases. The encoded protein undergoes a change in conformational state and activity, depending on whether it is bound to GTP or GDP. This protein is activated by several types of guanine nucleotide exchange factors (GEFs), and inactivated by two groups of GTPase-activating proteins (GAPs). The activation status of the encoded protein is therefore affected by the balance of intracellular levels of GEFs and GAPs. The encoded protein regulates signaling pathways that affect cell proliferation and adhesion, and may play a role in tumor malignancy. Pseudogenes of this gene have been defined on chromosomes 14 and 17. Alternative splicing results in multiple transcript variants.
Molecular Mass	20.8 kDa
AA Sequence	MREYKLVVLGSGGVGKSALTVQFVQGIFVEKYDPTIEDSYRKQVEVDCQQCMLEILD TAGTEQFTAMRDLYMKNGQGFALVYSITAQSTFNDLQDLREQILRVKDTEDVPMILV GNKCDLEDERVVGKEQGQNLARQWCNCAFLESSAKSKINVNEIFYDLVRQINRKTP

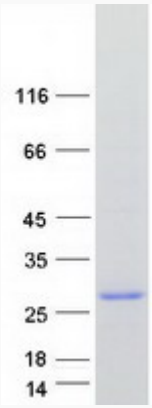
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	VEKKKPKKKSCLLLTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	RAP1A RAP1A, member of RAS oncogene family [Homo sapiens (human)]
Official Symbol	RAP1A
Synonyms	RAP1A; RAP1A, member of RAS oncogene family; ras-related protein Rap-1A; KREV 1; SMGP21; C21KG; G-22K; RAS-related protein RAP1A; Ras-related protein Krev-1; GTP-binding protein smg p21A; RAP1; KREV1; KREV-1;
Gene ID	5906
mRNA Refseq	NM_002884
Protein Refseq	NP_002875
MIM	179520

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UniProt ID	P62834
SDS-PAGE	

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