

Recombinant Full Length Human RAB3GAP1 Protein, C-Flag-tagged

Cat. No. RAB3GAP1-1954HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human RAB3GAP1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes the catalytic subunit of a Rab GTPase activating protein. The encoded protein forms a heterodimer with a non-catalytic subunit to specifically regulate the activity of members of the Rab3 subfamily of small G proteins. This protein mediates the hydrolysis of GTP bound Rab3 to the GDP bound form. Mutations in this gene are associated with Warburg micro syndrome. Alternate splicing results in multiple transcript variants.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	111.7 kDa
AA Sequence	MAADSEPESEVFEITDFTTASEWERFISKVEEV LNDWKLIGNSLGKPLEKGIFTSGTW EEKSDEISFADF KFSVTHHYLVQESTDKEGKDELLEDVVPQSMQDLLGMNNDFFPR AHCLVRWYGLREFVVIAPAAHSDAVL SESKCNLLLSSVSIALGNTGCQVPLFVQIIHH KWRRMYVGECQGPVVRTDFEMVHLRKVPNQYTHLSGLLD IFKSKIGCPLTPLPPVS IAIRFTYVLQDWQQYFWPQQPPDIDALVGGEVGGLEFGKLPFGACEDPISELH LATT WPHLTEGIIVDNDVYSDLDPIQAPHWSVRVRKAENPQCLLGDFVTEFFKICRRKEST

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DEILGRSAF EEEGKETADITHALSKLTEPASVPIHKLSVSNMVHTAKKKIRKHRGVEE
 SPLNNDVLNTILLFLFPDAVS EKPLDGTSTDDNNPPSESEDYNLYNQFSAPSDSL
 TYKLALCLCMINFYHGGLKGVHLWQEFVLEMRF RWENNFLIPGLASGPPDLRCCL
 LHQKLQMLNCCIERKKARDEGKKTASDVTNIYPGDAGKAGDQLVDPN LKETDKEK
 GEVGKSWDSWSDSEEEFFECLSDTEELKNGNGQESGKKGGPKEMANLRPEGRLYQ
 HGKLTLLH NGEPLYIPVTQEPAPMTEDLLEEQSEVLAKLGTSAEGAHLRARMQSAC
 LLSDMESFKAANPGCSLEDFVR WYSPRDYIEEEVIDEKGNVVLKGELSARMKIPSN
 MWVEAWETAKPIPARRQRRLFDDTREAEKVLHYLA QKPADLARHLLPCVIHA AVLK
 VKEEESLENISSVKKIHKQIISHSSKVLHFPNPEDKKLEEIIHQITNVE ALIARARSLKAK
 FGTEKCEQEEEEKEDLERFVSCLEQPEVLVTGAGRGHAGRIIHKLFVNAQRLTESSD
 E AAAMTPPEEELKRMGSPEERRQNSVSDFPFPPAGREFILRTTVPRPAPYSKALPQR
 MYSVLTKEDFRLAGA FSSDTSFF TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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.
Full Length	Full L.

GENE INFORMATION

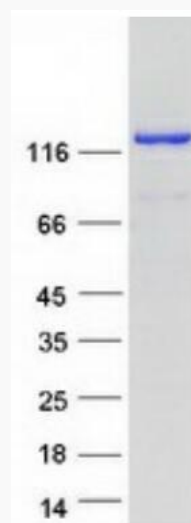
Gene Name	RAB3GAP1 RAB3 GTPase activating protein catalytic subunit 1 [Homo sapiens (human)]
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Official Symbol	RAB3GAP1
Synonyms	P130; MARTS2; WARBM1; RAB3GAP; RAB3GAP130
Gene ID	22930
mRNA Refseq	NM_001172435.2
Protein Refseq	NP_001165906
MIM	602536
UniProt ID	Q15042



Coomassie blue staining of purified RAB3GAP1 protein.