

Recombinant Human RGP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RGP1-629H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RGP1 MS Standard C13 and N15-labeled recombinant protein (NP_001073965) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The RIC1-RGP1 complex acts as a guanine nucleotide exchange factor (GEF), which activates RAB6A by exchanging bound GDP for free GTP and may thereby required for efficient fusion of endosome-derived vesicles with the Golgi compartment. The RIC1-RGP1 complex participates in the recycling of mannose-6-phosphate receptors.
Molecular Mass	42.46 kDa
AA Sequence	MIEVVAELSRGPVFLAGEALECVVTVTNPLPPTATSASSEALAWASAQIHCQFHASE SRVALPPPDSSQPDVQPDSQTVFLPHRGERGQCILSTPPKILFCDLRDPGESKSYS YSEVLPIEGPPSFRGQSVKYVYKLTIGCQRVNSPITLLRVPLRVLVLTGLQDVRFPQD EAVAPSSPFLEEDEGGKKDSWLAELAGERLMAATSCRSRLHLYNISDGRGKVGTFGIF KSVYRLGEDVVGTLNLGEGTVACLQFSVSLQTEERVQPEYQRRRGAGGVPSVSHV THARHQESCLHTTTRTSFSLPIPLSSTPGFCTAIVSLKWRLHFEFVTSREPGLVLLPPV EQPEPTTWTGPEQVPVDTFSWDLPIKVLPTSPTLASYAAPGPSTSTITITRTRPLEQK LISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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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.

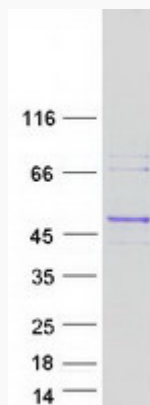
GENE INFORMATION

Gene Name	RGP1 RGP1 homolog, RAB6A GEF complex partner 1 [Homo sapiens (human)]
Official Symbol	RGP1
Synonyms	RGP1; RGP1 homolog, RAB6A GEF complex partner 1; KIAA0258; RAB6A-GEF complex partner protein 2; RGP1 retrograde golgi transport homolog; retrograde Golgi transport protein RGP1 homolog
Gene ID	9827
mRNA Refseq	NM_001080496
Protein Refseq	NP_001073965
MIM	615742
UniProt ID	Q92546

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SDS-PAGE

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