

Recombinant Full Length Human RAB13 Protein, C-Flag-tagged

Cat. No. RAB13-2038HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human RAB13 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
ProteinLength	1-203 a.a.
Description	This gene is a member of the Rab family of small G proteins and plays a role in regulating membrane trafficking between trans-Golgi network (TGN) and recycling endosomes (RE). The encoded protein is involved in the assembly of tight junctions, which are components of the apical junctional complex (AJC) of epithelial cells. The AJC plays a role in forming a barrier between luminal contents and the underlying tissue. Additional functions associated with the protein include endocytic recycling of occludin, regulation of epithelial cell scattering, neuronal regeneration and regulation of neurite outgrowth. Alternately spliced transcript variants have been observed for this gene. A pseudogene associated with this gene is located on chromosome 12.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	22.6 kDa
AA Sequence	MAKAYDHLFKLLIGDSGVGKTCIIIRFAEDNFNNTYISTIGIDFKIRTVDIEGKKIKLQV

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WDTAGQERF KTITTAYYRGAMGIILVYDITDEKSFENIQNWMKSIKENASAGVERLLL
GNKCDMEAKRKVQKEQADKLA REHGIRFFETSAKSSMNVDEAFSSLARDILLKSGG
RRSGNGNKPPSTDCLKTKDKKNTNKCSLG TRTRPLEQKLISEEDLAANDILDYKDDD
DKV

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
Protein Pathways	Tight junction
Full Length	Full L.

GENE INFORMATION

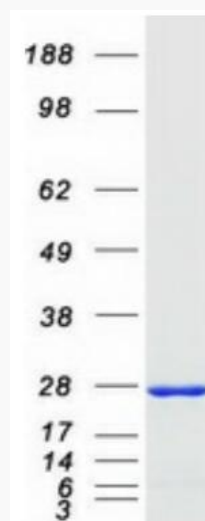
Gene Name	RAB13 RAB13, member RAS oncogene family [Homo sapiens (human)]
Official Symbol	RAB13
Synonyms	GIG4

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Gene ID	5872
mRNA Refseq	NM_002870.5
Protein Refseq	NP_002861.1
MIM	602672
UniProt ID	P51153



Coomassie blue staining of purified RAB13 protein.