

# Recombinant Human RAB13 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** RAB13-2555H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	RAB13 MS Standard C13 and N15-labeled recombinant protein (NP_002861) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	22.8 kDa
<b>AA Sequence</b>	MAKAYDHLFKLLLLIGDSGVGKTCLIRFAEDNFNNTYISTIGIDFKIRTVDIEGKKIKLQV WDTAGQERFKTITTAYYRGAMGILVYDITDEKSFENIQNWMKSIKENASAGVERLLL GNKCDMEAKRKVQKEQADKLAREHGIRFFETSAKSSMNVD EAFSSSLARDILLKSGG RRSGNGNKPPSTDLKTCDDKNTNKCSLGRTRTRPLEQKLISEEDLAANDILDYKDDDD

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	KV
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	RAB13 RAB13, member RAS oncogene family [ Homo sapiens (human) ]
<b>Official Symbol</b>	RAB13
<b>Synonyms</b>	RAB13; RAB13, member RAS oncogene family; ras-related protein Rab-13; RAS-associated protein RAB13; growth-inhibiting gene 4 protein; cell growth-inhibiting gene 4 protein; GIG4;
<b>Gene ID</b>	5872
<b>mRNA Refseq</b>	NM_002870
<b>Protein Refseq</b>	NP_002861
<b>MIM</b>	602672

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