

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

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

SPECIFICATION

Product Overview	RAB13 MS Standard C13 and N15-labeled recombinant protein (NP_002861) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	22.8 kDa
AA Sequence	MAKAYDHLFKLLIGDSGVGKTC LIIRFAEDN FNNTYISTIGIDFKIRTVDIEGKKIKLQV WDTAGQERFKTITTAYYRGAMGIILVYDITDEKSFENIQNWMSIKENASAGVERLLL GNKCDMEAKRKVQKEQADKLAREHGIRFFETSAKSSMNVDEAFSSLARDILLKSGG RRSGNGNKPPSTDLKTCDDKNTNKCSLGTRTRPLEQKLISEEDLAANDILDYKDDDD

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	KV
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	RAB13 RAB13, member RAS oncogene family [Homo sapiens (human)]
Official Symbol	RAB13
Synonyms	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;
Gene ID	5872
mRNA Refseq	NM_002870
Protein Refseq	NP_002861
MIM	602672

 Tel: 1-631-559-9269 1-516-512-3133

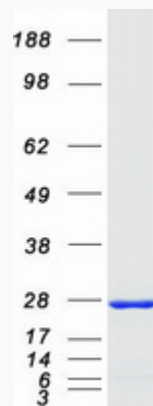
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID

P51153

SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA