Recombinant Human RAS, GST-tagged

Cat. No. RAB40C-7036H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human RAS was expressed in E. coli cells using a N-terminal GST tag.
Species	Human
Source	E.coli
ProteinLength	Full length
Description	The RAS gene superfamily encodes a group of closely related 21,000 dalton (p21) proteins with special affinity for guanine nucleotides (GTP). RAS and several other cellular proteins with similar biochemical properties are collectively known as G-proteins and they play key roles in a wide variety of cellular activities, including cell growth, differentiation, secretion, and protein trafficking. There are three forms of RAS gene in cells termed H-RAS, N-RAS, and K-RAS. RAS proteins play a direct causal role in human cancer and in other diseases. Mutant H-RAS, N-RAS, and K-RAS occur in varying frequencies in different tumor types. Other members of the RAS superfamily may also contribute to cancer.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~47 kDa
Purity	>95%

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Applications	Kinase Assay, Western Blot
Storage	Store at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.2μg/μl

GENE INFORMATION

Gene Name	RAB40C RAB40C, member RAS oncogene family [Homo sapiens]
Official Symbol	RAB40C
Synonyms	RAB40C; RAB40C, member RAS oncogene family; RAS like, family 8, member C , RASL8C; ras-related protein Rab-40C; RARL; RAR like; RAS-like GTPase; rar-like protein; RAR (RAS like GTPASE) like; RAS-like, family 8, member C; SOCS box-containing protein RAR3; ras-like protein family member 8C; RASL8C;
Gene ID	57799
mRNA Refseq	NM_001172663
Protein Refseq	NP_001166134
UniProt ID	Q96S21
Chromosome Location	16p13.3
Function	GTP binding; nucleotide binding;

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