

Recombinant Human V-Ha-Ras Harvey Rat Sarcoma Viral Oncogene Homolog, GST-tagged

Cat. No. HRAS-1025H 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
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.
Applications	Kinase Assay; Western Blot
Molecular Weight	47 kDa
Expression System	E. coli
Form	Recombinant protein stored in 50 mM Tris-HCl, PH 7.5, 150 mM NaCl, 0.1 mM EGTA, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25% glycerol.
Purity	>90%

 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

Concentration	0.2 ug/ul
Sequences	Full-length
Storage	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Pathways	ARMS-mediated activation; Activation of NMDA receptor upon glutamate binding and postsynaptic events; Acute myeloid leukemia; Axon guidance; B cell receptor signaling pathway; BCR signaling pathway; Bladder cancer; CDC42 signaling events; Chemokine signaling pathway; Cholinergic synapse; Down-stream signal transduction; Down-stream signal transduction; EGFR1 Signaling Pathway; Endocytosis; Endocytosis
GENE INFORMATION	
Gene Name	HRAS v-Ha-ras Harvey rat sarcoma viral oncogene homolog [Homo sapiens]
Official Symbol	HRAS
Synonyms	HRAS; v-Ha-ras Harvey rat sarcoma viral oncogene homolog; CTLO; HAMSV; HRAS1; K-RAS; N-RAS; RASH1; C-H-RAS; H-RASIDX; C-BAS/HAS; C-HA-RAS1; GTPase HRas; ha-Ras; p21ras; H-Ras-1; OTTHUMP00000162769; OTTHUMP00000166053; OTTHUMP00000166055; OTTHUMP00000166056; p19 H-RasIDX protein; c-has/bas p21 protein; transforming protein p21; Ha-Ras1 proto-oncoprotein; c-ras-Ki-2 activated oncogene; GTP-and GDP-binding peptide B; transformation gene: oncogene HAMSV; Ras family small GTP binding protein H-Ras
Gene ID	3265

mRNA Refseq	NM_005343
Protein Refseq	NP_005334
MIM	190020
UniProt ID	P01112
Chromosome Location	11p15
Function	GTPase activity; GTPase activity; Ral guanyl-nucleotide exchange factor activity; nucleotide binding; protein C-terminus binding; protein binding
PDB renderingbased on 121p.	