

Recombinant Human HRAS (G12V) Protein, GST-tagged

Cat. No. HRAS-702H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human HRAS protein (NP_005334G12V) was expressed in E. coli with GST tag.
Species	Human
Source	E.coli
Description	Ras proteins are members of the superfamily of small GTP-binding proteins that function as molecular switches controlling a variety of signaling and transport pathways. H-Ras is one of the classic human Ras proteins (H-, N-, K-Ras4A, and K-Ras4B). The mutation G12V leads to elimination of the intrinsic GTPase activity. H-Ras (G12V) is effective in activation of PI3K and PKB, whereas N-Ras and K-Ras are more potent towards MAP kinase. The GST-Tag facilitates the protein's application in typical GST pull-down assays.
Form	25 mM Tris-HCl pH 7.5, 150 mM NaCl, 5 mM MgCl ₂ and 5 mM beta-mercaptoethanol
Purity	> 95 % (SDS-PAGE)
Storage	Store at -80 centigrade, avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name [HRAS v-Ha-ras Harvey rat sarcoma viral oncogene homolog \[Homo sapiens \]](#)

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Official Symbol	HRAS
Synonyms	CTLO; HAMSIV; HRAS1; RASH1; p21ras; C-H-RAS; H-RASIDX; C-BAS/HAS; C-HA-RAS1
Gene ID	3265
mRNA Refseq	NM_005343.2
Protein Refseq	NP_005334.1
MIM	190020
UniProt ID	P01112

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