

Recombinant Human HRAS Protein

Cat. No. HRAS-2135H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant wild-type human HRAS protein without tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene belongs to the Ras oncogene family, whose members are related to the transforming genes of mammalian sarcoma retroviruses. The products encoded by these genes function in signal transduction pathways. These proteins can bind GTP and GDP, and they have intrinsic GTPase activity. This protein undergoes a continuous cycle of de- and re-palmitoylation, which regulates its rapid exchange between the plasma membrane and the Golgi apparatus. Mutations in this gene cause Costello syndrome, a disease characterized by increased growth at the prenatal stage, growth deficiency at the postnatal stage, predisposition to tumor formation, cognitive disability, skin and musculoskeletal abnormalities, distinctive facial appearance and cardiovascular abnormalities. Defects in this gene are implicated in a variety of cancers, including bladder cancer, follicular thyroid cancer, and oral squamous cell carcinoma. Multiple transcript variants, which encode different isoforms, have been identified for this gene.
Form	Liquid
Purity	≥ 95% (SDS-PAGE)
Storage	At -80 centigrade.

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Storage Buffer	In 20mM TRIS-HCl, pH 8.0, containing 45mM sodium chloride, 1mM DTT, 5mM magnesium chloride and 50% glycerol.
Shipping	Dry Ice
GENE INFORMATION	
Gene Name	HRAS HRas proto-oncogene, GTPase [Homo sapiens (human)]
Official Symbol	HRAS
Synonyms	HRAS; HRas proto-oncogene, GTPase; CTLO; HAMSV; HRAS1; RASH1; p21ras; C-H-RAS; H-RASIDX; C-BAS/HAS; C-HA-RAS1; GTPase HRas; GTP- and GDP-binding peptide B; Ha-Ras1 proto-oncoprotein; Harvey rat sarcoma viral oncogene homolog; Harvey rat sarcoma viral oncoprotein; Ras family small GTP binding protein H-Ras; c-has/bas p21 protein; p19 H-RasIDX protein; transformation gene: oncogene HAMSV; transforming protein p21; v-Ha-ras Harvey rat sarcoma viral oncogene homolog; EC 3.6.5.2
Gene ID	3265
mRNA Refseq	NM_176795
Protein Refseq	NP_789765
MIM	190020
UniProt ID	P01112
SDS-PAGE Analysis	Lane 1: MW Marker, Lane 2: 1

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µg, Lane 3: 2 µg, Lane 4: 5 µg Ras.

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