Recombinant Human HRAS ΔC (S17N) Protein

Cat. No. HRAS-3848H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HRAS ΔC (S17N) Protein is produced by E. coli expression system. HRAS ΔC (S17N) (aa 1-171) lacks the C-terminus with the CaaX recognition sequence necessary for anchoring Ras into the plasma membrane. The mutation S17N results in a 40-fold increase in the affinity for GTP without affecting its affinity for GDP.
Species	Human
Source	E.coli
ProteinLength	171 amino acids
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). H-Ras ΔC (aa 1 - 171) lacks the C-terminus with the CaaX recognition sequence necessary for anchoring Ras into the plasma membrane. The mutation S17N results in a 40-fold increase in the affinity for GTP without affecting its affinity for GDP. Protein preparation is 95% GDP- and 5% GTP-loaded, measured by HPLC.
Form	liquid (Supplied in 64 mM Tris-HCl pH 7.2, 10 mM MgCl2 and 5 mM DTE)
Molecular Mass	19.5 kDa

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Purity	> 95 % (SDS-PAGE)
Notes	For in vitro use only!
Storage	Store at -80 centigrade. Avoid freeze/thaw cycles.
Shipping	Shipped on dry ice.

GENE INFORMATION

Gene Name	HRAS HRas proto-oncogene, GTPase [Homo sapiens (human)]
Official Symbol	HRAS
Synonyms	CTLO; KRAS; HAMSV; HRAS1; KRAS2; RASH1; RASK2; Ki-Ras; p21ras; C-H-RAS; c-K-ras; H-RASIDX; c-Ki-ras; C-BAS/HAS; C-HA-RAS1
Gene ID	3265
mRNA Refseq	NM_005343
Protein Refseq	NP_005334
MIM	190020
UniProt ID	P01112

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