

NRAS recombinant protein

Recombinant Human NRAS Protein (His tag)

CATALOG #
AAA173537

HOST
E Coli

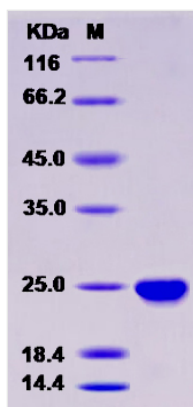
PRODUCT SYNONYMS

NRAS; Recombinant Human NRAS Protein (His tag); HRAS1; NRAS recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95 % as determined by reducing SDS-PAGE
Form/Format	Lyophilized from sterile 20mM Tris, 100mM NaCl, 10% Glycerol, 5% Trehalose, 5% Mannitol, 0.01% Tween-80
Sequence	Met1-Cys18 6
Sequence Length	189
Species	Human
Tag	N-His
Reconstitution	recommends that the vial be centrifuged to opening to bring the contents to the bottom. Do not mix by vortex. It is recommended that the sterile water be added to the vial to prepare a stock solution of 0.25 mg/mL . Concentration is measured by UV-Vis.
Preparation and Storage	Lyophilized protein should be stored at $\leq -20^{\circ}\text{C}$, Reconstituted protein can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at $< -20^{\circ}\text{C}$ for 3 months.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for NRAS recombinant protein	Background: NRAS was discovered by researchers at the Institute of Cancer Research, funded by the Cancer Research Campaign (now Cancer Research UK). NRAS gene is a member of the Ras gene family. It is mapped on chromosome 1, and it is activated in HL60, a promyelocytic leukemia line. The mammalian ras gene family consists of the harvey and kirsten ras genes (HRAS and KRAS), an inactive pseudogene of each (c-Hras2 and c-Kras1) and the N-ras gene. They differ significantly only in the C-terminal 40 amino acids. These ras genes have GTP/GDP binding and GTPase activity, and their normal function may be as G-like regulatory proteins involved in the normal control of cell growth. The NRAS gene specifies two main transcripts of 2Kb and 4.3Kb. The difference between the two transcripts is a simple extension through the termination site of the 2Kb transcript. The NRAS gene consists of seven exons (-I, I, II, III, IV, V, VI)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505451
NCBI GeneID	4893
NCBI Accession #	NP_002515.1
NCBI GenBank Nucleotide #	NM_002524.4
UniProt Accession #	P01111; Q14971; Q15104; Q15282
Molecular Weight	Mol_Mass: 23kDa AP_Mol_Mass: 24kDa
NCBI Official Full Name	GTPase NRas
NCBI Official Synonym Full Names	neuroblastoma RAS viral oncogene homolog
NCBI Official Symbol	NRAS
NCBI Official Synonym Symbols	NS6; CMNS; NCMS; ALPS4; N-ras; NRAS1
NCBI Protein Information	GTPase NRas
UniProt Protein Name	GTPase NRas
UniProt Gene Name	NRAS
UniProt Synonym Gene Names	HRAS1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.