Recombinant Human NRAS Protein (His Tag)

Catalog Number:PKSH030915

Note: Centrifuge before opening to ensure complete recovery of vial contents.

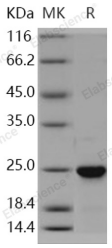
Description

Synonyms	ALPS4;CMNS;N-ras;NCMS;NRAS1;NS6
Species	Human
Expression Host	E.coli
Sequence	Met 1-Cys186
Accession	P01111
Calculated Molecular Weight	23 kDa
Observed molecular weight	24 kDa
Tag	N-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile 20mM Tris, 0.1M NaCl, 10% Glycerol, pH 7.5 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

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).

For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

Web: www.elabscience.com Email: techsupport@elabscience.com