

Recombinant Full Length Human NRAS Protein, GST tagged

Cat. No. NRAS-6750HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human NRAS Protein with GST tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	This is an N-ras oncogene encoding a membrane protein that shuttles between the Golgi apparatus and the plasma membrane. This shuttling is regulated through palmitoylation and depalmitoylation by the ZDHHC9-GOLGA7 complex. The encoded protein, which has intrinsic GTPase activity, is activated by a guanine nucleotide-exchange factor and inactivated by a GTPase activating protein. Mutations in this gene have been associated with somatic rectal cancer, follicular thyroid cancer, autoimmune lymphoproliferative syndrome, Noonan syndrome, and juvenile myelomonocytic leukemia.
Molecular Mass	The protein has a calculated MW of 53 kDa.
AA Sequence	MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPY YIDGDVKLTQSMARIYIADKHNM LGGCPKERA EISMLEGAVLDIRYGVSR IAYSKDFE TLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDA FPKLVCFKKRIEAI PQIDKYLKSSKYIAWPLQGWQATFGGGDHPPKSDGSTSGSGHH HHHHSAGLVPRGSTAIGMKETA AAKFERQHMDSPDLGTGGGSGDDDDKSPMTEYK LVVVGAGGVGKSALT IQLIQNHFVDEYDPTIEDSYRKQVVIDGETCLLDILDTAGQEE

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YSAMRDQYMRTGEGFLCVFAINNSKSFADINLYREQIKRVKDSDDVPMVLVGNKCD
LPTRTVDTKQAHELAKSYGIPFIETSAKTRQGVEDAFYTLVREIRQYRMKKLNSSDD
GTQGCMGLPCVVM

Endotoxin < 1 EU/μg by LAL

Purity > 85% by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage Buffer Sterile 50 mM Tris, 200 mM NaCl, 0.5M GSH, pH 8.0

Full Length Full L.

GENE INFORMATION

Gene Name NRAS neuroblastoma RAS viral (v-ras) oncogene homolog [Homo sapiens (human)]

Official Symbol NRAS

Synonyms NRAS; neuroblastoma RAS viral (v-ras) oncogene homolog; GTPase NRas; N ras; N-ras protein part 4; transforming protein N-Ras; v-ras neuroblastoma RAS viral oncogene homolog; NS6; ALPS4; N-ras; NRAS1

Gene ID 4893

mRNA Refseq NM_002524

Protein Refseq NP_002515

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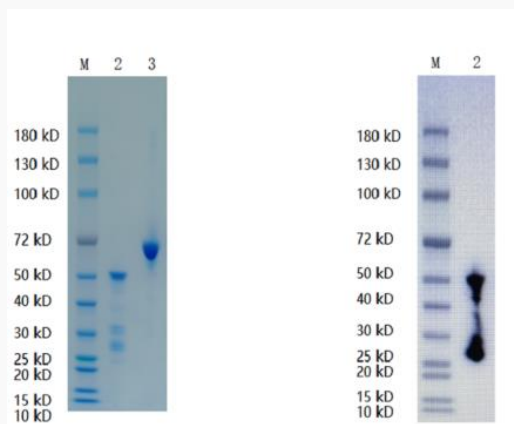
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MIM 164790

UniProt ID P01111

Reducing 12% SDS-PAGE (CBB stained) and WB (Anti-GST Mouse Monoclonal Antibody) analysis profile of purified NRAS.



1. NRAS-6750HF

2. BSA

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