

## Recombinant Full Length Human NRAS Protein, GST tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human NRAS Protein with GST tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | The protein has a calculated MW of 53 kDa.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPY<br>YIDGDVKLTQSMARIYIADKHNM LGGCPKERA EISMLEGAVLDIRYGVSR IAYSKDFE<br>TLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDA<br>FPKLVCFKKRIEAI PQIDKYLKSSKYIAWPLQGWQATFGGGDHPPKSDGSTSGSGHH<br>HHHHSAGLVPRGSTAIGMKETA AAKFERQHMDSPDLGTGGGSGDDDDKSPMTEYK<br>LVVVGAGGVGKSALTIQLIQNH FVDEYDPTIEDSYRKQVVIDGETCLLDILDTAGQEE                                                                                                                                                                                                                   |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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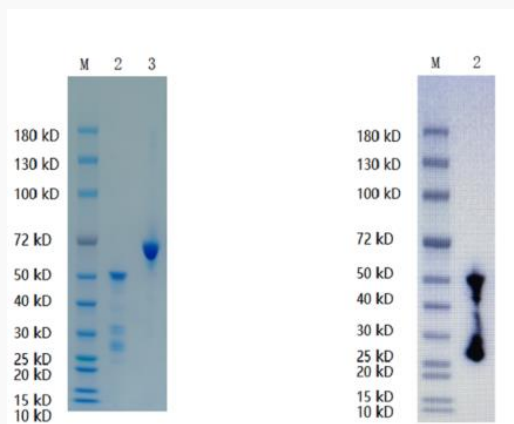
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**MIM** 164790

**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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