

# 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 YIDGDVKLTQSMARIYIADKHNMLGGCPKERAEISMLEGAVLDIRYGVSR IAYSKD TLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDA FPKLVCFKKRIEAI PQIDKYLKSSKYIAWPLQG WQATFGGGDHPKSDGSTSGSGHH HHHHSAGLVPRGSTAIGMKETA AAKFERQHMDSPDLGTGGGSGDDDDKSPMTEYK LVVVGAGGVGKSALTIQLIQNHFVDEYDPTIEDSYRKQVVIDGETCLLDILDTAGQEE

 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](#)

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

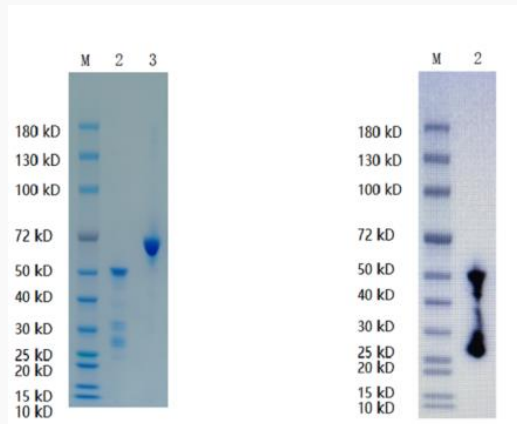
 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

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

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