

# Recombinant human N-RAS protein

Catalog Number: ATGP0492

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-186aa

### UniProt No.

P01111

### NCBI Accession No.

NP\_002515

### Alternative Names

GTPase Nras, NRAS proto-oncogene GTPase, Neuroblastoma RAS viral (v-ras) oncogene homolog, neuroblastoma RAS viral oncogene homolog, Transforming protein N-Ras, N-ras, NRAS, HRAS1

## PRODUCT SPECIFICATION

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### Molecular Weight

20.8 kDa (186aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 100mM NaCl, 10% glycerol

### Purity

> 95% by SDS-PAGE

### Tag

Non-Tagged

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

Neuroblastoma RAS viral (v-ras) oncogene homolog, also known as NRAS, is a member of the RAS gene family. NRAS is an oncogene encoding a membrane protein that shuttles between the Golgi apparatus and the plasma membrane. The encoded protein, which has intrinsic GTPase activity, is activated to a GTP-bound form by a GTPase activating protein and inactivated to a GDP-bound form by a guanine nucleotide-exchange factor. Recombinant human NRAS was expressed in E. coli and purified by using conventional chromatography

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techniques.

### Amino acid Sequence

MTEYKLVVVG AGGVGKSALT IQLIQNHFVD EYDPTIEDSY RKQVWIDGET CLLDILDITAG QEEYSAMRDQ YMRTGEGFLC  
VFAINNSKSF ADINLYREQI KRVKDSDDVP MVLVGNKCDL PTRTVDTKQA HELAKSYGIP FIETSAKTRQ GVEDAFYTLV  
REIRQYRMKK LNSSDDGTQG CMGLPC

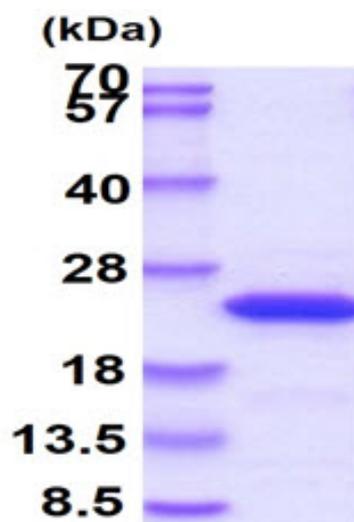
### General References

Brown R., et al. (1984) EMBO J. 3(6):1321-6.

McCormick., et al. (1995) Mol Reprod Dev. 42(4):500-6.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)