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Recombinant human N-RAS protein

Catalog Number: ATGP0492

PRODUCT INFORMATION

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

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

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

techniques.

Amino acid Sequence

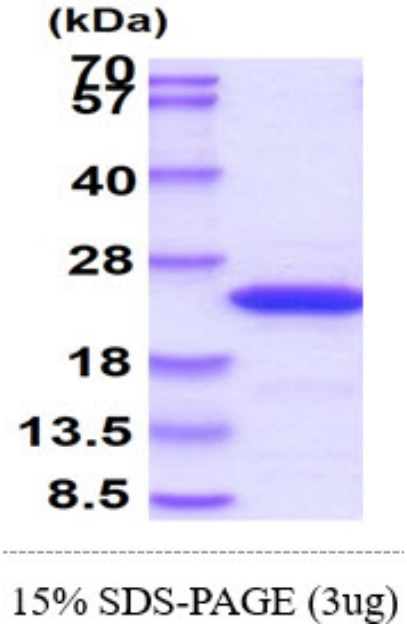
MTEYKLVVVG AGGVGKSALT IQLIQNHFVD EYDPTIEDSY RKQVVIDGET CLLDILDTAG QEEYSAMRDQ YMRTGEGFLC VFAINNSKSF ADINLYREQI KRVKDSDDVP MVLVGNKCDL PTRTVDTKQA HELAKSYGIP FIETSAKTRQ GVEDAFYTLV REIRQYRMKK LNSSDDGTQG CMGLPC

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



15% SDS-PAGE (3ug)

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