Recombinant human RAN protein

Catalog Number: ATGP0590

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-216aa

UniProt No.
P62826

NCBI Accession No.
NP_006316

Alternative Names
RAN member RAS oncogene family, ARA24, Gsp1, TC4, RAN, member RAS oncogene family, Androgen receptor associated protein 24, ARA 24, GTP binding nuclear protein RAN, GTPase Ran, LPS, RAN member RAS oncogene family, Ras like protein TC4, RASL2 8,

PRODUCT SPECIFICATION

Molecular Weight
26.5 kDa (236aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol

Purity
> 90% by SDS-PAGE

Tag
His-Tag

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
RAN, member RAS oncogene family, also known as RAN, is a small GTPase of the Ras superfamily that controls nucleocytoplasmic transport. It is involved in the directionality of the process that is regulated by GTP hydrolysis. Ran shuttles between the nucleus and the cytoplasm. unlike many other regulatory GTPases, Ran is not posttranslationally modified so that it can be targeted to the subcellular compartment where it acts. Rather,

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RanGTP has been thought to be localized by the differential localization of Ran regulators. Recombinant human RAN, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques

Amino acid Sequence

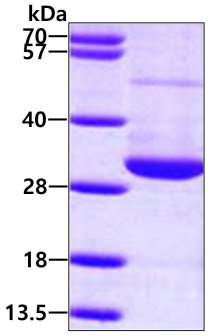
<MGSSHHHHHH SSGLVPRGSH> MAAQGEPQVQ FKLVLVGDGG TGKTTFVKRH LTGEFEKKYV ATLGVEVHPL VFHTNRGPIK FNVWDTAGQE KFGGLRDGYY IQAQCAIIMF DVTSRVTYKN VPNWHRDLVR VCENIPIVLC GNKVDIKDRK VKAKSIVFHR KKNLQYYDIS AKSNYNFEKP FLWLARKLIG DPNLEFVAMP ALAPPEVVMD PALAAQYEHD LEVAQTTALP DEDDDL

General References

Woo IS., et al. (2008) Apoptosis. 13(10):1223-31.
Ren M., et al. (1994) Mol Cell biol. 14(6):4216-24.

DATA

SDS-PAGE



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