OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850
UNITED STATES
Phone: +1-888-267-4436
Fax: +1-301-340-8606
techsupport@origene.com

OriGene Technologies GmbH
Schillerstr. 5
32052 Herford
GERMANY
Phone: +49-5221-34606-0
Fax: +49-5221-34606-11
info-de@origene.com

AR09527PU-N Human RAN (1-216, His-tag) - Purified

Alternate names: ARA24, Androgen receptor-associated protein 24, GTP-binding nuclear protein Ran, GTPase Ran, Ras-like protein TC4, Ras-related nuclear protein

Quantity: 50 µg

Concentration: 1.0 mg/ml (determined by Bradford assay)

Background: 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, RanGTP has been thought to be localized by the differential localization of Ran regulators.

Uniprot ID: P62826

NCBI: NP_006316

GeneID: 5901

Species: Human

Source: E. coli

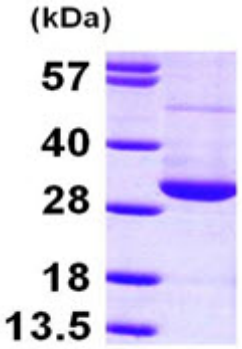
Format:
State: Liquid purified protein
Purity: >90% by SDS - PAGE
Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol

Description: Recombinant human RAN, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
AA 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
Molecular weight: 26.5 kDa (236aa), confirmed by MALDI-TOF

Storage: Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

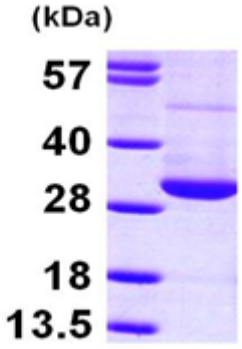
General Readings: Woo IS., et al. (2008) Apoptosis. 13(10):1223-31.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human RAN, 1- 216 aa, His-tagged



15% SDS-PAGE (3ug)