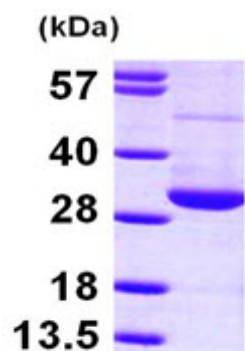


AR09527PU-L

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

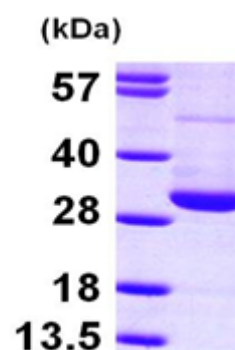
Alternate names:	ARA24, Androgen receptor-associated protein 24, GTP-binding nuclear protein Ran, GTPase Ran, Ras-like protein TC4, Ras-related nuclear protein
Quantity:	0.25 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	RAN, member RAS oncogene family, also known as RAN, is 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: MGSSHHHHH SSGLVPRGSH MAAQGEPQVQ FKLVLVGDDG TGKTTFVKRH LTGEFEKKYV ATLGVEVHPL VFHTNRGPIK FNVWDTAGQE KFGGLRDGYI IQAQCAIMF DVTSRVTYKN VPNWHRDLVR VCENIPIVLC GNKVDIKDRK VKAKSIVFHR KKNLQYYDIS AKSNYNFEKP FLWLARKLIG DPNLEFVAMP ALAPPEVVM PALAAQYEH LEVAQTALP 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)