

Recombinant Human RAN (G19V/Q69L) Protein

Cat. No. RAN-718H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RAN protein (NM_006325, G19V/Q69L) was expressed in E. coli .
Species	Human
Source	E.coli
ProteinLength	216 amino acids
Description	Ran belongs to the Ras superfamily of GTP binding proteins. It acts in cellular processes such as nuclear transport, mitotic spindle assembly, and post-mitotic nuclear assembly. The mutation Q69L abolishes GTP hydrolysis. The mutation G19V results in a gain-of-function mutant that is not, however, sensitive to the exchange factor RCC1. Protein preparation is 19% GDP-loaded, measured by HPLC.
Form	50 mM KH ₂ PO ₄ /K ₂ HPO ₄ pH 7.0, 6.5 mM DTE, 150 mM KCl and 5 mM MgCl ₂
Molecular Mass	24.0 kDa
Purity	> 95 % (SDS-PAGE)
Storage	Store at -80 centigrade, avoid freeze/thaw cycles.

GENE INFORMATION

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Gene Name	RAN RAN, member RAS oncogene family [Homo sapiens]
Official Symbol	RAN
Synonyms	TC4; Gsp1; ARA24
Gene ID	5901
mRNA Refseq	NM_006325.3
Protein Refseq	NP_006316.1
MIM	601179
UniProt ID	P62826

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