

## Recombinant Human RAN (E70A) Protein

Cat. No. RAN-719H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human RAN protein (NM_006325, E70A) was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	216 amino acids
<b>Description</b>	Ran (Ras-related nuclear protein, TC4) 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 E70A results in inhibition of the guanine exchange reaction mediated by RCC1, the guanine nucleotide exchange factor (GEF) for Ran. Protein preparation is 85% GDP-loaded, measured by HPLC.
<b>Form</b>	20 mM KH <sub>2</sub> PO <sub>4</sub> /K <sub>2</sub> HPO <sub>4</sub> pH 7.4, 1 mM DTE and 5 mM MgCl <sub>2</sub>
<b>Molecular Mass</b>	24.0 kDa
<b>Purity</b>	> 95 % (SDS-PAGE)
<b>Storage</b>	Store at -80 centigrade, avoid freeze/thaw cycles.

### GENE INFORMATION

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

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