

Recombinant Human RAN (E70A) Protein

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

SPECIFICATION

Product Overview	Recombinant Human RAN protein (NM_006325, E70A) was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	216 amino acids
Description	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.
Form	20 mM KH ₂ PO ₄ /K ₂ HPO ₄ pH 7.4, 1 mM DTE 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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