

RAN

Recombinant Human GTP-binding Nuclear Protein Ran, E70A mutation

Catalog No.	CSI11800	Quantity:	50 µg
Alternate Names:	Ras-related nuclear protein TC4, Androgen receptor-associated protein 24, GTPase Ran, Ras-like protein TC4		
Description:	Ran (Ras-related nuclear protein, TC4) belongs to the super-family 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.		
UniProt ID:	P62826		
Gene ID:	5901		
Source:	<i>E. coli</i>		
Molecular Weight:	24.0 kDa (216 amino acids)		
Formulation:	20 mM KH ₂ PO ₄ /K ₂ HPO ₄ , 1 mM DTE, 5 mM MgCl ₂ , pH 7.4		
Purity:	> 95% by SDS-PAGE		
Storage & Stability:	Store at -80°C for up to 1 year. Upon initial thaw, prepare aliquots and store at -80°C. Avoid freeze / thaw cycles.		

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