

## Product datasheet

# Recombinant Human Ran (mutated Q69 L) protein ab90208

### 概述

产品名称	Recombinant人Ran (mutated Q69 L) protein
蛋白长度	Full length protein

### 描述

性质	Recombinant
来源	Escherichia coli
氨基酸序列	
种属	Human
修饰	mutated Q69L

### 技术指标

Our [Abpromise guarantee](#) covers the use of **ab90208** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

生物活性	Protein preparation is 34% GDP- and 17% GTP-loaded, measured by HPLC.
应用	SDS-PAGE
纯度	> 95 % SDS-PAGE.
形式	Liquid
补充说明	Ran Q69L is defective in GTP hydrolysis and is useful as a negative control for Ran binding and import studies. Protein preparation is 34% GDP- and 17% GTP-loaded, measured by HPLC.

### 制备和贮存

稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. Preservative: None Constituents: 50mM Potassium phosphate, 5mM Magnesium chloride, 5mM DTE (1, 4-Dithioerythritol), pH 7.5
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## 常规信息

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<b>功能</b>	GTP-binding protein involved in nucleocytoplasmic transport. Required for the import of protein into the nucleus and also for RNA export. Involved in chromatin condensation and control of cell cycle (By similarity). The complex with BIRC5/ survivin plays a role in mitotic spindle formation by serving as a physical scaffold to help deliver the RAN effector molecule TPX2 to microtubules. Enhances AR-mediated transactivation. Transactivation decreases as the poly-Gln length within AR increases.
<b>组织特异性</b>	Expressed in a variety of tissues.
<b>序列相似性</b>	Belongs to the small GTPase superfamily. Ran family.
<b>翻译后修饰</b>	The N-terminus is blocked.
<b>细胞定位</b>	Nucleus. Cytoplasm. Melanosome. Becomes dispersed throughout the cytoplasm during mitosis. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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