

Product datasheet

Recombinant Human Ran (mutated Q69 L) protein ab90208

概述

产品名称	重组人Ran (mutated Q69 L)蛋白
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
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补充说明

Ran Q69L is defective in GTP hydrolysis and is useful as a negative control for Ran binding and import studies.

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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.

pH: 7.50

Constituents: 0.077% DTE (1,4-Dithioerythritol), 1.06% Potassium phosphate, 0.0475% Magnesium chloride

常规信息

功能	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.
组织特异性	Expressed in a variety of tissues.
序列相似性	Belongs to the small GTPase superfamily. Ran family.
翻译后修饰	The N-terminus is blocked.
细胞定位	Nucleus. Cytoplasm. Melanosome. Becomes dispersed throughout the cytoplasm during mitosis. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

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