

Product datasheet

Recombinant Human Ran (mutated T24 N) protein ab90206

製品の概要

製品名	Recombinant Human Ran (mutated T24 N) protein
タンパク質長	Full length protein

製品の詳細

由来	Recombinant
由来	Escherichia coli
アミノ酸配列	
生物種	Human
修飾	mutated T24N

特性

Our [Abpromise guarantee](#) covers the use of **ab90206** in the following tested applications.

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

アプリケーション	SDS-PAGE
精製度	> 95 % SDS-PAGE. Protein preparation is 18% GDP-loaded, measured by HPLC.

製品の状態 Liquid

備考
Ran T24N mutation results in no or little binding to GTP and is known to act as a negative inhibitor of nuclear import.

前処理および保存

保存方法および安定性
Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
Preservative: None
Constituents: 10% Glycerol, 6.5mM DTE (1, 4-Dithioerythritol), 5mM Magnesium chloride, 20mM Potassium phosphate, 150mM Potassium chloride, pH 7.0

関連情報

機能	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.
組織特異性	Expressed in a variety of tissues.
配列類似性	Belongs to the small GTPase superfamily. Ran family.
翻訳後修飾	The N-terminus is blocked.
細胞内局在	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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