

Recombinant *Saccharomyces cerevisiae* GTP-binding nuclear protein GSP1,CNR1(GSP1)

Catalog No: #AP71057

Package Size: #AP71057-1 20ug #AP71057-2 100ug #AP71057-3 1mg

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Description

Product Name	Recombinant <i>Saccharomyces cerevisiae</i> GTP-binding nuclear protein GSP1,CNR1(GSP1)
Host Species	<i>E.coli</i>
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-219aaSequence Info:Full Length
Other Names	Chromosome stability protein 17GTPase Ran homologGenetic suppressor of PRP20-1
Accession No.	P32835
Calculated MW	40.7 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	SAPAANGEVPTFKLVLVGDGGTGKTTFVKRHLTGEFEKKYIATIGVEVHPLSFYTNFGEIKFDVWDTAGQEKFGLRDGYIINAQCAIIMFDVTSRITYKNVPNWHRDLVRVCENIPIVLCGNKVDVKERKVKAKTITFHRKKNLQYYDISAKSNYNFEKPFLWLARKLAGNPQLEFVASPALAPPEVQVDEQLMQYQQEMEQAATLPLPDEDDADL
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

GTP-binding protein involved in nucleoCytoplasmic domain transport. Required for the import of protein into the nucleus and also for RNA export. Essential for cell viability. By analogy with Ras, Ran may be activated when GTP is exchanged for bound GDP by RCC1 and inactivated when GTP is hydrolyzed by Ran upon activation by RanGAP1.

References

Cex1p is a novel Cytoplasmic domain component of the *Saccharomyces cerevisiae* nuclear tRNA export machinery.McGuire A.T., Mangroo D.EMBO J. 26:288-300(2007)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.