

Recombinant *Saccharomyces Cerevisiae* GSP1 Protein (2-219 aa), His-tagged

SPECIFICATION

Cat.No.	GSP1-1746S
Species	<i>Saccharomyces cerevisiae</i>
Product Name	Recombinant <i>Saccharomyces Cerevisiae</i> GSP1 Protein (2-219 aa), His-tagged
Product Overview	Recombinant <i>Saccharomyces Cerevisiae</i> (strain ATCC 204508/S288c) (Baker's yeast) GSP1 Protein (2-219 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Description	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.
Source	Yeast
Tag	His
Form	Tris-based buffer, 50% glycerol
Molecular Mass	26.7 kDa
AA Sequence	SAPAANGEVPTFKLVLVGDGGTGKTTFVKRHLTGEFEKKYIATIGVEVHPLSFYTNFG EIKFDVWDTAGQEKFGGLRDGYGINAQCAIIMFDVTSRITYKNVPNWHRLVRCENI PIVLCGNKVDVKERKVKAKTITFHRKKNLQYYDISAKSNYNFEKPFLWLARKLAGNPQ LEFVASPALAPPEVQVDEQLMQQYQQEMEQATALPLPDEDDADL
Purity	> 90% as determined by SDS-PAGE.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

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Synonyms	GSP1; Chromosome stability protein 17 GTPase Ran homolog Genetic suppressor of PRP20-1;
UniProt ID	P32835
Protein length	2-219 aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.
Sequence	SAPAANGEVPTFKLVLVGDGGTGKTTFVKRHLTGEFEKKYIATIGVEVHPLSFYTNFG EIKFDVWDTAGQEKFGGLRDGYIINAQCAIIMFDVTSRITYKNVPNWHRDLVRVCENI PIVLCGNKVDVKERKVKAKTITFHRKKNLQYYDISAKSNYNFEKPFLWLARKLAGNPQ LEFVASPALAPPEVQVDEQLMQQYQQEMEQATALPLPDEDDADL