

Recombinant Yeast Glc8p, His-tagged

Cat. No. GLC8-346Y **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant yeast GLC8 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques (265 aa,30.7 kDa).
Species	Yeast
Source	E.coli
Description	GLC8 is a regulatory subunit of protein phosphatase 1 (Glc7p). This protein involved in glycogen metabolism and chromosome segregation, proposed to regulate Glc7p activity via conformational alteration; ortholog of the mammalian protein phosphatase inhibitor 2. Under normal conditions, Glc8p activates Glc7p, but when Glc8p is over produced, it may also inhibit Glc7p function. Glc8p is activated upon phosphorylation by Pho85p complexed with four cyclins (Pcl6p, Pcl7p, Pcl8p, or Pcl10p).
Formulation	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol.
Molecular Weight	30.7 kDa (265 aa).
Purity	> 95% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMGGI LKNPLALSPE QLAQQDPETL EEFRRQVYEN TQKNAKLTSH KRNIPGLDNT KEEGEIIGTS

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STFLPKDTLS LKHEQDMLAK MTPEERVQWN QRNLAENEIT KKQFQDIHID
 EPKTPYQGAV DPHGEYYRVD DDEDEDNSDK KPCQVANDDI DDLSLGEPEF
 EIKENKQPDF ETNDENDEDS PEARHKKFEE MRKKHYDVRA IFNKKSREAL
 KDEDEDEDSS TTKEP

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

[GLC8](#)

Synonyms

GLC8; Glc8p; GLC8 Glc8p; Regulatory subunit of protein phosphatase 1 (Glc7p), involved in glycogen metabolism and chromosome segregation; proposed to regulate Glc7p activity via conformational alteration; ortholog of the mammalian protein phosphatase inhibitor 2.

Gene ID

[855359](#)

Protein Refseq

[NP_014042.1](#)

UniProt ID

[P41818](#)

**Chromosome
Location**

XIII

Function

enzyme activator activity.

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