



Product Datasheet

Product Name GLC8 Yeast Recombinant
Cata No CB501445
Source *Saccharomyces cerevisiae*

Synonyms

Description

GLC8 is a regulatory subunit of protein phosphatase 1 (Glc7p). GLC8 plays a role in glycogen metabolism and chromosome segregation, and regulates Glc7p activity through conformational alteration; ortholog of the mammalian protein phosphatase inhibitor 2. Under regular conditions, GLC8 triggers GLC7, but when GLC8 is over expressed, it inhibits Glc7p function. GLC8 is activated upon phosphorylation by Pho85p complexed with four cyclins (Pcl6p, Pcl7p, Pcl8p, or Pcl10p).

GLC8 Recombinant produced in Yeast is a single, glycosylated polypeptide chain containing 265 amino acids (1-229) and having a molecular mass of 30.7 kDa.

The GLC8 is fused to 35 amino acid His Tag at N-Terminus and purified by standard chromatography techniques.

Physical Appearance

Sterile Filtered colorless solution.

Purity

Greater than 95% as determined by SDS-PAGE.

Formulation

The protein solution contains 20mM Tris-HCl pH-8, 1mM DTT, and 10% glycerol, and 1mM EDTA.

Stability

GLC8 although stable 4°C for 4 weeks, should be stored desiccated below -18°C.

For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Please prevent freeze-thaw cycles.

Sequence

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD
KDRWGSMGGI LKNPLALSPE QLAQQDPETL
EEFRRQVYEN TQKNAKLTSH KRNIPGLDNT
KEEGEIIIGTS STFLPKDTLS LKHEQDMLAK
MTPEERVQWN QRNLAENEIT KKQFQDIHID
EPKTPYQGAV DPHGEYYRVD DDEDEDNSDK
KPCQVANDDI DDL SLGEPEF EIKENKQPDF
ETNDEDEDS PEARHKKFEE MRKKHYDVRA
IFNKKREAL KDEDEDDEDS TTKEP.