
Product Data Sheet

Product Name: GLC8 Yeast
 Cat. No.: GP23559
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Protein GLC8; GLC8; YMR311C; YM9924.03C.		
Amino Acid Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMGGI LKNPLALSPE QLAQQDPETL EEFRRQVYEN TQKNAKLTSH KRNIPGLDNT KEEGEIIIGTS STFLPKDTLS LKHEQDMLAK MTPEERVQWN QRNLAENEIT KKQFQDIHID EPKTPYQGAV DPHGEYYRVD DDEDEDNSDK KPCQVANDDI DDLSDLGPEPEF EIKENKQPDF ETNDENDEDS PEARHKKFEE MRKKHYDVRA IFNKKREAL KDEDEDED DS TTKEP.		
Formulation	The protein solution (1mg/ml) contains 20mM Tris-HCl pH-8, 1mM DTT, and 10% glycerol.		

Introduction

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).

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

GLC8 Yeast (*Saccharomyces cerevisiae*) Recombinant produced in *E.coli* is a single, glycosylated polypeptide chain containing 265 amino acids (1-229) and having a

Caution: Product has not been fully validated for medical applications. For research use only.

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molecular mass of 30.7 kDa (molecular size on SDS-PAGE will appear higher). The GLC8 is fused to a 35 amino acid His Tag at N-Terminus and purified by standard chromatography techniques.

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