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GLC8 Yeast

Catalog #:PRPS-547

For research use only.

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

Synonyms: Protein GLC8, GLC8, YMR311C, YM9924.03C.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMGGI LKNPLALSPE QLAQQDPETL EEFRRQVYEN TQKNAKLTSH KRNIPGLDNT KEEGEIIGTS STFLPKDTLS LKHEQDMLAK MTPEERVQWN QRNLAENEIT KKQFQDIHID EPKTPYQGAV DPHGEYYRVD DDEDEDNSDK KPCQVANDDI DDLSLGEPEF EIKENKQPDF ETNDENDEDS PEARHKKFEE MR

Purity: Greater than 95% as determined by SDS-PAGE.

Formulation:
The protein solution (1mg/ml) contains 20mM Tris-HCl pH-8, 1mM DTT, and 10% glycerol.

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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

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 throµgh conformational alteration; ortholog of the mammalian protein phosphatase inhibitor 2. Under regular conditions, GLC8 triggers GLC7, but when GLC8 is over epxressed, it inhibits Glc7p function. GLC8 is activated upon phosphoylation by Pho85p complexed with four cyclins (Pcl6p, Pcl7p, Pcl8p, or Pcl10p).

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