
Product Data Sheet

Product Name: HSP104 Saccharomyces
Cat. No.: GP25094
Batch No.: 1

Product Data

Purity	>98%	Source	Saccharomyces cerevisiae.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Heat shock protein 104; Protein aggregation-remodeling factor HSP104; HSP104; YLL026W; L0948.		
Formulation	The HSP-104 protein solution contains 20mM Tris-HCl, pH 7.4, 100mM NaCl, 2mM EDTA and 5% Glycerol.		

Introduction

HSP104 is a molecular chaperone required for stress tolerance and for maintenance of [psi(+)] prions in the budding yeast *Saccharomyces cerevisiae*. Hsp104 can protect yeast cells against high temperature and high concentration of ethanol but mutation studies have shown this protein is not required for normal growth. Hsp104 was cloned into an *E. coli* expression vector and was purified to apparent homogeneity by using conventional column chromatography techniques.

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

Recombinant HSP104 produced in *E. coli* is a single, non-glycosylated polypeptide chain containing 908 amino acids and having a molecular mass of 102 kDa.

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

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