HSP104
Recombinant Saccharomyces cerevisiae Heat Shock Protein 104

Catalog No.	CSI13199	**Quantity:**	10 µg
	CSI13200		50 µg
	CSI13201		1.0 mg

Alternate Names: Heat shock protein 104, Protein aggregation-remodeling factor HSP104, HSP104, YLL026W, L0948.

Description: 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.
Recombinant HSP104 produced in *E.Coli* is a single, non-glycosylated polypeptide chain containing 908 amino acids

Physical Appearance: Sterile filtered colorless solution.

Gene ID: 850633

Source: *Saccharomyces cerevisiae.*

Molecular Mass: 102 kDa

Formulation: The HSP-104 protein solution contains 20 mM Tris-HCl, pH 7.4 + 100 mM NaCl + 2 mM EDTA and 5% Glycerol.

Purity: Greater than 90.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Analysis by SDS-PAGE.

Storage & 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.

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