

# Recombinant Yeast Hsp26p

**Cat. No.** HSP26-2137Y    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

|                           |                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>            | Yeast                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>        | sHsps have some structural features in common: Very characteristic is a homologous and highly conserved amino acid sequence, the so-called $\alpha$ -crystallin-domain at the C-terminus. These sequences consist of 80 to 100 residues with a homology between 20% and 60% and form $\beta$ -sheets, which are important for the formation of stable dimers. |
| <b>Source/Host</b>        | yeast.                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>             | $\geq 99\%$ .                                                                                                                                                                                                                                                                                                                                                 |
| <b>Formulation</b>        | Liquid. In 40mM HEPES, pH 7.4, containing 50mM NaCl, 2mM EDTA and 1mM DTE.                                                                                                                                                                                                                                                                                    |
| <b>Application</b>        | Western Blot.                                                                                                                                                                                                                                                                                                                                                 |
| <b>Long Term Storage</b>  | -20°C.                                                                                                                                                                                                                                                                                                                                                        |
| <b>Short Term Storage</b> | +4°C.                                                                                                                                                                                                                                                                                                                                                         |
| <b>Handling</b>           | For maximum product recovery after thawing, centrifuge the vial before opening the cap. Avoid freeze/thaw cycles.                                                                                                                                                                                                                                             |

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## GENE INFORMATION

|                     |                                                                                                                                                                                                                                                                 |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name           | HSP26 Hsp26p [ <i>Saccharomyces cerevisiae</i> ]                                                                                                                                                                                                                |
| Synonyms            | Hsp26p; HSP26; Small heat shock protein (sHSP) with chaperone activity; forms hollow, sphere-shaped oligomers that suppress unfolded proteins aggregation; oligomer activation requires a heat-induced conformational change; not expressed in unstressed cells |
| Gene ID             | 852364                                                                                                                                                                                                                                                          |
| Protein Refseq      | NP_009628                                                                                                                                                                                                                                                       |
| Chromosome Location | II                                                                                                                                                                                                                                                              |

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