



# Heat Shock Protein 27 (DAG389)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

Species	N/A
Conjugate	Unconjugated
Applications	Specific methodologies have not been tested using this product.
Format	Purified, Lyophilized
Concentration	Not applicable
Buffer	20mM Tris/acetate, pH 7.6 containing 10mM NaCl, 0.1mM EDTA, 0.1mM PMSF and 15mM beta-mercaptoethanol
Preservative	None
Storage	2-8°C short term, -20°C long term

## BACKGROUND

Introduction	Heat shock protein 27 (Hsp27) also known as heat shock protein beta-1 (HSPB1) is a protein that in humans is encoded by the HSPB1 gene. Hsp27 is a chaperone of the sHsp (small heat shock protein) group along with ubiquitin, $\alpha$ -crystallin, Hsp20 and others. The common functions of sHsps are chaperone activity, thermotolerance, inhibition of apoptosis, regulation of cell development, and cell differentiation. They also take part in signal transduction.
Keywords	Heat shock 27kDa protein; Heat Shock Protein-27; 28 kDa heat shock protein; CMT2F; DKFZp586P1322; Estrogen regulated 24 kDa protein; Estrogen-regulated 24 kDa protein; Heat shock 25kDa protein 1; Heat shock 27 kDa protein; Heat shock 27kDa protein 1; Heat