

## Product datasheet for SA6023

### dnaK / Hsp70 (Substrate binding domain) Escherichia coli Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	dnaK / Hsp70 (Substrate binding domain) e. coli recombinant protein, 0.1 mg
<b>Species:</b>	Escherichia coli
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MDVKDVLLLD VTPLSLGIET MGGVMTTLIA KNTTIPTKHS QVFSTAEDNQ SAVTIHV LQG ERKRAADNKS LGQFNLDGIN PAPRGMPQIE VTFDIDADGI LHVSAKDKNS GKEQKITIKA SSSLNEDEIQ KMVRDAEANA EADRKFEELV QTRNQGDHLL HST
<b>Predicted MW:</b>	18 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>95% by SDS-PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 25 mM Tris-HCl, pH 7.5, 2 mM $\beta$ -mercaptoethanol, 1 mM EDTA
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	The protein coding region of the substrate binding domain of DNAK (amino acids 385-546) was amplified by PCR and cloned into an E. coli expression vector. The substrate binding domain of DNAK was overexpressed in E. coli and the recombinant protein was purified to apparent homogeneity by using conventional column chromatography techniques. Additional amino acid (Met) is attached at N- terminus.
<b>Storage:</b>	Store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Summary:</b>	DNAK, originally identified for its DNA replication by bacteriophage $\lambda$ in E. coli is the bacterial hsp70 chaperone.



[View online »](#)

**Product images:**