

Product datasheet for SA6026X

dnaK / Hsp70 (385-638) Escherichia coli Protein

Product data:

Product Type: Recombinant Proteins Description: dnaK / Hsp70 (385-638) e. coli recombinant protein, 0.5 mg Species: Escherichia coli **Expression Host:** E. coli MDVKDVLLLD VTPLSLGIET MGGVMTTLIA KNTTIPTKHS QVFSTAEDNQ SAVTIHVLQG Expression cDNA Clone or AA Sequence: ERKRAADNKS LGQFNLDGIN PAPRGMPQIE VTFDIDADGI LHVSAKDKNS GKEQKITIKA SSGLNEDEIQ KMVRDAEANA EADRKFEELV QTRNQGDHLL HSTRKQVEEA GDKLPADDKT AIESALTALE TALKGEDKAA IEAKMQELAQ VSQKLMEIAQ QQHAQQQTAG ADASANNAKD DDVVDAEFEE VKDKK Predicted MW: 27.7 kDa **Concentration:** lot specific >95% by SDS-PAGE Purity: **Buffer: Presentation State: Purified** State: Liquid purified protein Buffer System: 25 mM Tris-HCl, pH 7.5, 100 mM NaCl, 5 mM DTT, 10% Glycerol **Preparation:** Liquid purified protein **Protein Description:** The protein coding region of the substrate binding domain of DNAK (amino acids 385-638) 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. Storage: Store (in aliquots) at -20°C. Avoid repeated freezing and thawing. Stability: Shelf life: one year from despatch. DnaK, originally identified for its DNA replication by bacteriophage λ in E. coli is the bacterial Summary: hsp70 chaperone. This protein is involved in the folding and assembly of newly synthesized polypeptide chains and in preventing the aggregation of stress-denatured proteins.

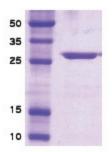


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