DnaK (E. coli), (recombinant)

Recombinant DnaK (E. coli) that functions as a molecular chaperone, assisting protein folding and complex assembly.

DnaK possesses an autophosphorylation activity and a weak 5-nucleotidase activity, cleaving the 5 phosphate groups from both ribose and deoxyribose nucleotides. The role of DnaK in ATP-dependent protein-protein interactions has been extended to normal *E. coli* physiology, where, like eukaryotic Hsp70 homologs, it is thought to participate in the assembly/disassembly of protein complexes.

Citations: 9 View Online »

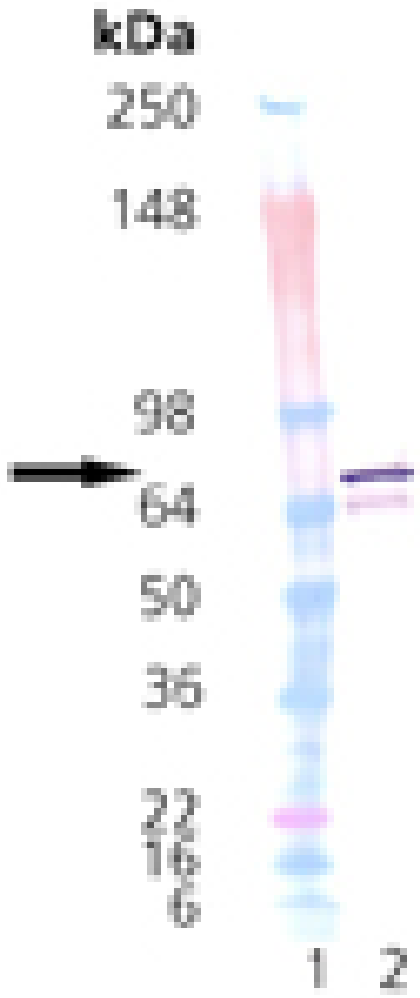
Ordering Information

Order Online »

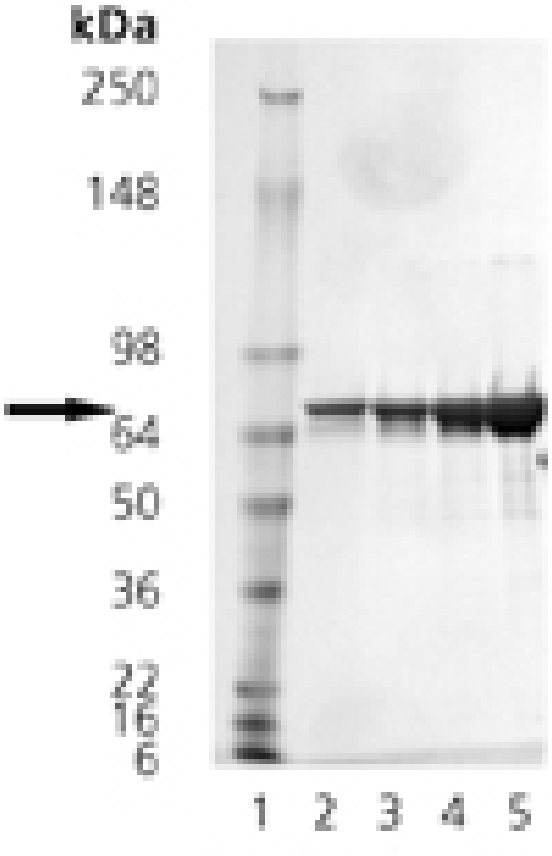
ADI-SPP-630-J	1mg
ADI-SPP-630-D	50µg
ADI-SPP-630-F	200µg

Manuals, SDS & CofA

View Online »



SDS-PAGE analysis of DnaK: Lane 1: MWM, Lanes 2-5: 0.5, 1, 2, 5µg of Prod. No. ADI-SPP-630.



Western Blot Analysis of DnaK: Lane 1: MWM, Lanes 2: 100ng of Prod. No. ADI-SPP-630; probed with Prod. No. ADI-SPA-880.

Handling & Storage

Long Term Storage	-80°C
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Heat shock protein 70, HSP70
Application Notes	ATPase activity assay (positive). Western blot control.
Formulation	Liquid. In 40mM TRIS, pH 7.5, containing 80mM sodium chloride, 0.8mM DTT, 0.08mM PMSF, and 20% glycerol.
MW	~70kDa
Purity	≥95% (SDS-PAGE; Western blot)
Purity Detail	Purified by multi-step chromatography.
Source	Produced in *E. coli*.
UniProt ID	P0A6Y8 (strain K12)

Last modified: October 9, 2025

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