

Recombinant Human Heat Shock 70kDa Protein 7 (HSP70B), His-tagged

Cat. No. HSPA7-5035H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanHSPA7, fused to His-tag at N-terminus, was expressed in E. coli and purifiedby using conventional chromatography.
Species	Human
Source	Human
Description	HSPA7 is a uniquemember of the human Hsp70 chaperone involved in cellular processes such asprotein trafficking, folding, and prevention of aggregation. This protein isstrictly stress-inducible, having little or no basal expression levels inmost cells. HSPA7 and Hsp72 are closely related and play cooperative roles incell survival of proteotoxic stress.
Concentration	1 mg/ml
Form	Supplied as a liquidin 20 mM Tris-HCl buffer, pH 8.0, containing 100 mM NaCl, and 10% glycerol.
Purity	> 90% by SDS-PAGE
Sequence	1-643 amino acids:MGSSHHHHHH SSGLVPRGSH MQAPRELAVG IDLGTITYSCV GVFQQGRVEI LANDQGNRTT PSYVAFTDTERLVGDAAKSQ AALNPHNTVF DAKRLIGRK F ADTTVQSDMK HWPFRVVSEG GKPKVRVCYR GEDKTFYP EEEISSMVL SKMK ETAEAYLGQP VKHAVITVPA YFNDSQRQAT

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KDAGAIAGLN VLRIINEPTA AAIAYGLDRRGAGER		
Molecular Mass	73.2 kDa (663 aa)	
Applications	SDS-PAGE	
Storage	Store at 4 deg C for short term storage. Aliquot and store at -20 deg C or -70 deg C for long term storage. Avoid repeated freeze/thaw cycles.	
Official Symbol	HSPA7	
nullValue_other	Function	ATP binding;nucleotide binding

GENE INFORMATION

Gene Name	HSPA7 heat shock 70kDa protein 7 (HSP70B) [Homo sapiens]
Synonyms	HSPA7; heat shock 70kDa protein 7 (HSP70B); heat shock 70kD protein 7 (HSP70B); HSP70B; Putative heat shock 70 kDa protein 7; Heat shock 70 kDa protein B
Gene ID	3311
MIM	140556
UniProt ID	P48741
Chromosome Location	1q23.3

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