

Active Recombinant Human HSPA8 protein, His-tagged

Cat. No. HSPA8-1558H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length (aa 1-646) Human HSPA8 Protein was expressed in E. coli with N-terminal His tag.
Species	Human
Source	E.coli
ProteinLength	1-646 a.a.
Description	This gene encodes a member of the heat shock protein 70 family, which contains both heat-inducible and constitutively expressed members. This protein belongs to the latter group, which are also referred to as heat-shock cognate proteins. It functions as a chaperone, and binds to nascent polypeptides to facilitate correct folding. It also functions as an ATPase in the disassembly of clathrin-coated vesicles during transport of membrane components through the cell. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Form	20 mM Tris-HCl, pH 7.5, 50 mM KCl, 1 mM DTT, 5 mM MgCl ₂
Bio-activity	HSC70 has ATPase activity at the time of manufacture of 3.2 μM phosphate liberated/hr/g protein in a 200 μreaction at 37 centigrade (pH7.5) in the presence of 20 μl of 1 mM ATP using a Malachite Green assay.
Molecular Mass	70 kDa

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Storage	Stable for 2 years at -70 centigrade from date of shipment. Please aliquot to avoid repeated freezing and thawing.
Full Length	Full L.
GENE INFORMATION	
Gene Name	HSPA8 heat shock 70kDa protein 8 [Homo sapiens]
Official Symbol	HSPA8
Synonyms	HSPA8; heat shock 70kDa protein 8; heat shock 70kD protein 8 , HSPA10; heat shock cognate 71 kDa protein; HSC70; HSC71; HSP73; LPS-associated protein 1; heat shock 70kd protein 10; heat shock cognate protein 54; constitutive heat shock protein 70; lipopolysaccharide-associated protein 1; N-myristoyltransferase inhibitor protein 71; LAP1; HSC54; HSP71; NIP71; HSPA10; MGC29929; MGC131511;
Gene ID	3312
mRNA Refseq	NM_006597
Protein Refseq	NP_006588
MIM	600816
UniProt ID	P11142