

Recombinant Human HSPA4 protein, His/T7-tagged

Cat. No. HSPA4-17H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human HSPA4 fused with His/T7 tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	Heat shock 70 kDa protein 4 is a protein that in humans is encoded by the HSPA4 gene. The protein encoded by this gene was originally suggested to be a member of the heat shock protein 70 family. However it is now known that human HSPA4 is an equivalent to mouse the Apg-2 protein and is a member of the Hsp110 family.
Form	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Molecular Mass	31.7kDa
AA Sequence	MGSSHHHHHHH SSSLVPRGSH MASMTGGQQM GRGS- SKI RALLRLSQEC EKLKKLMSAN ASDLPLSIEC FMNDVDVSGT MNRGKFLEMC NDLLARVEPP LRSVLEQTKL KKEDIYAVEI VGGATRIPAV KEKISKFFGK ELSTTLNADE AVTRGCALQC AILSPAFAKVR EFSITDVVPY PISLRWNSPA EEGSSDCEVF SKNHAAPFSK VLTFYRKEPF TLEAYYSSPQ DLPYPDPAIA QFSVQKVTPQ SDGSSSKVKV KVRVNVHGIF SVSSASLVEV HKSEENEPM E
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	> 95%
Applications	SDS-PAGE; WB; ELISA; IP.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	HSPA4 heat shock 70kDa protein 4 [Homo sapiens]
Official Symbol	HSPA4
Synonyms	HSPA4; heat shock 70kDa protein 4; heat shock 70kD protein 4; heat shock 70 kDa protein 4; HS24/P52; hsp70 RY; HSPH2; heat shock protein, 110 kDa; heat shock 70-related protein APG-2; RY; APG-2; hsp70; hsp70RY; MGC131852;
Gene ID	3308
mRNA Refseq	NM_002154
Protein Refseq	NP_002145
MIM	601113
UniProt ID	P34932
Chromosome Location	5q31.1

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Pathway

Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Validated targets of C-MYC transcriptional activation, organism-specific biosystem;

Function

ATP binding; ATP binding; nucleotide binding;

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