

Heat Shock 70kDa protein 1B Recombinant Protein | HSPA1B recombinant protein

Recombinant Human Heat Shock 70kDa protein 1B

CATALOG # AAA38738	HOST E Coli	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

Heat Shock 70kDa protein 1B; Recombinant Human Heat Shock 70kDa protein 1B; HSPA1B Human; Heat Shock 70kDa protein 1B Human Recombinant; Heat shock 70kDa protein 1B; HSP70-2; HSP70-1/HSP70-2; FLJ54328; HSPA1A; heat shock 70kDa protein 1A/1B; HSPA1; HSPA1B recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Form/Format	The protein was filtered (0.4 um) and lyophilized from a 0.5mg/ml solution containing 50mM phosphate buffer, 75mM NaCl, pH 7.4. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	MKHHHHH HASAKA AAGIDLGTT YSCVGVFQHG KVEIANDQG NRTTPSYVAF TDTERLIGDA AKNQVALNPQ NTVFDAKRLL GRKFGDPVVQ SDMKHWPVQV INDGDKPKVQ VSYKGETKAF YPEEISSMVL TKMKEIAEAY LGYPVTNAVI TVPAYFNDSQ RQATKDAGVI AGLNVLRIN EPTAAAIAYG LDRTGKGERN VLFIDLGGGT FDVSILTIDD GIFEVKATAG DTHLGGEDFD NRLVNHVVEE FKRKHKKDIS QNKRAVRRRLR TACERAKRTL SSSTQASLEI DSLFEGIDFY TSITRARFEE LCSDLFRSTL EPVEKALRDA KLDKAQIHDL VLVGGSTRIP KVQKLLQDFF NGRDLNKSIN PDEAVAYGAA VQAAILMGDK SENVQDLLLL DVAPLSLGLT TAGGVMITALI KRNSTIPTKQ TQIFTTYSN QPGVLIQVYE GERAMTKDNN LLGRFELSGI PPAPRGVPQI EVTFDIDANG ILNVTATDKS TGKANKITIT NDKGRLSKEE IERMVQEAKE YKADEVQRE RVSAKNALES YAFNMKSAVE DEGLKGKISE ADKKKVLDKC QEVISWLDAN TLAEKDEFEH KRKELEQVCN PIISGLYQGA GPGPGGGFGA QGPKGGSGSG PTIEEVD
Sequence Length	641
Applicable Applications for HSPA1B recombinant protein	ELISA, WB (Western Blot)
Solubility	It is recommended to add deionized water to prepare a working stock solution of 0.5mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.
Preparation and Storage	Lyophilized HSPA1B although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution HSPA1B should be stored at 4 degree C between 2-7 days and for future use below -18 degree C. Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for HSPA1B recombinant protein	Description: The HSPA1B Protein Human produced in E Coli is a single, non-glycosylated polypeptide chain containing 650 amino acids having a molecular mass of 71.16kDa. HSPA1B is fused to a 10 amino acids His-Tag at N-terminus and purified by proprietary chromatographic techniques. Introduction: The HSP70 family is found in many intracellular compartments such as chloroplasts, endoplasmic reticulum, mitochondria, and cytosol. These proteins are induced by a variation of biological stresses, including heat stress, in every organism. HSP70 has a range of functions. For example: HSP70 acts as molecular chaperones facilitating the assembly of multi-protein complexes, HSP70 take part in the translocation of polypeptides across cell membranes and to the nucleus, and HSP70 assists in the proper folding of nascent polypeptide chains. HSP70 is a mitochondrial import equipment and has a crucial part in the cytosolic endoplasmic reticulum. Lately, extracellular localized HSP was discovered to take an important part in the induction of a cellular immune response.
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Product Categories/Family for HSPA1B recombinant protein

Heat Shock Proteins; Recombinant Proteins; Heat Shock Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	194248072
NCBI GeneID	3303
NCBI Accession #	NP_005336.3
NCBI GenBank Nucleotide #	NM_005345.5
UniProt Accession #	P08107; P19790; Q5JQI4; Q5SP17; Q9UQL9; Q9UQM0; B4E3B6
Molecular Weight	63,937 Da
NCBI Official Full Name	heat shock 70 kDa protein 1A/1B
NCBI Official Synonym Full Names	heat shock 70kDa protein 1A
NCBI Official Symbol	HSPA1A
NCBI Official Synonym Symbols	HSP72; HSPA1; HSP70I; HSP70-1; HSP70-1A; HEL-S-103
NCBI Protein Information	heat shock 70 kDa protein 1A/1B; HSP70-1/HSP70-2; dnaK-type molecular chaperone HSP70-1; epididymis secretory protein Li 103; heat shock 70 kDa protein 1/2; heat shock 70kD protein 1A; heat shock-induced protein
UniProt Protein Name	Heat shock 70 kDa protein 1A/1B
UniProt Gene Name	HSPA1A
UniProt Synonym Gene Names	HSPA1; HSX70; HSP70-1/HSP70-2; HSP70.1/HSP70.2
UniProt Entry Name	HSP71_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/hspa1a-recombinant-protein-e-coli-elisa-wb-western-blot/38738>