9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-5334: Recombinant Human Heat Shock 70kDa protein 1B

Alternative Name : Heat shock 70kDa protein 1B,HSP70-2,HSP70-1/HSP70-2,FLJ54328,HSPA1A,heat shock 70kDa protein 1A/1B,HSPA1.

Description

Source : Escherichia Coli. 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. 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.

Product Info

Amount :	10 µg
Content :	The protein was filtered (0.4µm) and lyophilized from a 0.5mg/ml solution containing 50mM phosphate buffer, 75mM NaCl, pH 7.4.
Storage condition :	Lyophilized HSPA1B although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution HSPA1B should be stored at 4°C between 2-7 days and for future use below -18°C.Please prevent freeze-thaw cycles.
Amino Acid :	MKHHHHHHAS AKAAAIGIDL GTTYSCVGVF QHGKVEIIAN DQGNRTTPSY VAFTDTERLI GDAAKNQVAL NPQNTVFDAK RLIGRKFGDP VVQSDMKHWP FQVINDGDKP KVQVSYKGET KAFYPEEISS MVLTKMKEIA EAYLGYPVTN AVITVPAYFN DSQRQATKDA GVIAGLNVLR IINEPTAAAI AYGLDRTGKG ERNVLIFDLG GGTFDVSILT IDDGIFEVKA TAGDTHLGGEDFDNRLVNHF VEEFKRKHKK DISQNKRAVR RLRTACERAK RTLSSSTQAS LEIDSLFEGI DFYTSITRAR FEELCSDLFR STLEPVEKAL RDAKLDKAQI HDLVLVGGST RIPKVQKLLQ DFFNGRDLNK SINPDEAVAY GAAVQAAILM GDKSENVQDL LLLDVAPLSL GLETAGGVMT ALIKRNSTIP TKQTQIFTTY SDNQPGVLIQ VYEGERAMTK DNNLLGRFEL SGIPPAPRGVPQIEVTFDID ANGILNVTAT DKSTGKANKI TITNDKGRLS KEEIERMVQE AEKYKAEDEV QRERVSAKNA LESYAFNMKS AVEDEGLKGK ISEADKKKVL DKCQEVISWL DANTLAEKDE FEHKRKELEQ VCNPIISGLY QGAGGPGPGG FGAQGPKGGS GSGPTIEEVD.

Application Note

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.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.