

Heat Shock 70kDa protein 1B Human Recombinant

Item Number	rAP-3387
Synonyms	Heat shock 70kDa protein 1B, HSP70-2, HSP70-1/HSP70-2, FLJ54328, HSPA1A, heat shock 70kDa protein 1A/1B, HSPA1.
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.
Uniprot Accession Number	P0DMV9
Amino Acid Sequence	MKHHHHHHAS AKAAAIGIDL GTTYSCVGVF QHGKVEIIAN DQGNRTTPSY VAFTDTERLI GDAAK-NQVAL NPQNTVFDK RLIGRKFQDP VVQSDMKHWP FQVINDGDKP KVQVSYKGET KAFYPEEISS MVLTKMKEIA EAYLGYPTN AVITVPAYFN DSQRQATKDA GVIAGLNVL RINEPTAAAI AYGLDRTGKG ERNVLIFDLG GGTFDVSILT IDDGIFEVKA TAGDTHLGGEDFDNRLVNH VEEFKRKHKK DISQNKRAVR RLRTACERAK RTLSSSTQAS LEIDSLFEGI DFYTSITRAR FEELCSDLFR STLEPVEKAL RDAKLDKAI HDLVLVGGST RIPKVQKLLQ DFFNGRD LNK SINPDEAVAY GAAVQAAILM GDKSENVQDL
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	The protein was filtered (0.4µm) and lyophilized from a 0.5mg/ml solution containing 50mM phosphate buffer, 75mM NaCl, pH 7.4.
Application	
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 cul
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**