

## HSPBP1 Protein, Human (His)

Cat. No.:	HY-P701387
Synonyms:	HSPBP1; Hsp70-binding protein 1; HspBP1; Heat shock protein-binding protein 1; Hsp70-binding protein 2; HspBP2; Hsp70-interacting protein 1; Hsp70-interacting protein 2
Species:	Human
Source:	E. coli
Accession:	Q9NZL4 (R84-R359)
Gene ID:	23640
Molecular Weight:	

### PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 50 mM Tris-HCl, pH7.5, 200 mM NaCl, 20% glycerol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	Please use rapid thawing with running water to thaw the protein.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

### DESCRIPTION

Background	HSPBP1 Protein exerts regulatory control over HSPA1A chaperone activity by inducing conformational changes in the ATP-binding domain of HSPA1A, thereby disrupting ATP binding. This interference results in the inhibition of ubiquitination processes mediated by STUB1 and impedes the chaperone-assisted degradation of immature CFTR. The protein is known to interact with the ATP-binding domain of HSPA1A, forming a ternary complex with STUB1 and HSPBP1. Additionally, its interaction with PGLYRP1 serves to block the cytotoxic activity of the PGLYRP1-HSPA1A complex, highlighting the multifaceted regulatory roles of HSPBP1 in cellular processes.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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