

## Recombinant Human HSPBP1 Protein (R84-R359), His tagged

Cat. No. HSPBP1-0568H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human 6His-TEV-HspBP1(R84-R359 end) (E88G) Protein was expressed in E. coli.                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | R84-R359                                                                                                                                                                                                                                             |
| <b>Description</b>      | Inhibits HSPA1A chaperone activity by changing the conformation of the ATP-binding domain of HSPA1A and interfering with ATP binding. Interferes with ubiquitination mediated by STUB1 and inhibits chaperone-assisted degradation of immature CFTR. |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                               |
| <b>Endotoxin</b>        | < 0.01 EU per µg of the protein                                                                                                                                                                                                                      |
| <b>Purity</b>           | 90%                                                                                                                                                                                                                                                  |
| <b>Stability</b>        | Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.                                                                                                                                                            |
| <b>Storage</b>          | Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.                                                                                  |

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|-----------------------|-----------------------------------------------------------------------|
| <b>Storage Buffer</b> | Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol |
|-----------------------|-----------------------------------------------------------------------|

|                 |                                  |
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| <b>Shipping</b> | It is shipped out with blue ice. |
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## GENE INFORMATION

|                  |                                                                                                    |
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| <b>Gene Name</b> | HSPBP1 HSPA (heat shock 70kDa) binding protein, cytoplasmic cochaperone 1 [ Homo sapiens (human) ] |
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|------------------------|--------|
| <b>Official Symbol</b> | HSPBP1 |
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|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b> | HSPBP1; HSPA (heat shock 70kDa) binding protein, cytoplasmic cochaperone 1; hsp70-binding protein 1; FES1; Hsp70 binding protein 1; hsp70 interacting protein; HspBP1; hspBP2; hsp70-binding protein 2; hsp70-interacting protein 1; hsp70-interacting protein 2; heat shock protein-binding protein 1; |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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| <b>Gene ID</b> | 23640 |
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| <b>mRNA Refseq</b> | NM_001130106 |
|--------------------|--------------|

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| <b>Protein Refseq</b> | NP_001123578 |
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| <b>MIM</b> | 612939 |
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| <b>UniProt ID</b> | Q9NZL4 |
|-------------------|--------|

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