

# Recombinant Human HSPBAP1, His-tagged

**Cat. No.** HSPBAP1-29406TH    **Lot. No.** (See product label)

## SPECIFICATION

|                           |                                                                                                                                                                                                                                                                                                                       |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>   | Recombinant full length Human HSPBAP1 with an N terminal His tag; 508 amino acids, predicted MWt 57.3kDa.                                                                                                                                                                                                             |
| <b>Species</b>            | Human                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>             | E.coli                                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>      | 488 amino acids                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>        | This gene encodes a protein that binds to one of the small heat shock proteins, specifically hsp27. Hsp27 is involved with cell growth and differentiation. This encoded protein was found to be abnormally expressed in patients with intractable epilepsy, although how brain function is affected remains unknown. |
| <b>Conjugation</b>        | HIS                                                                                                                                                                                                                                                                                                                   |
| <b>Molecular Weight</b>   | 57.300kDa                                                                                                                                                                                                                                                                                                             |
| <b>Tissue specificity</b> | Widely expressed.                                                                                                                                                                                                                                                                                                     |
| <b>Form</b>               | Liquid                                                                                                                                                                                                                                                                                                                |
| <b>Purity</b>             | by SDS-PAGE                                                                                                                                                                                                                                                                                                           |
| <b>Storage buffer</b>     | Preservative: None<br>Constituents: PBS, pH 7.4                                                                                                                                                                                                                                                                       |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>                  | Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Sequences of amino acids</b> | MGSSHHHHHHSSGLVPRGSHMAAGSEATTPVIVAAGAGGEEGEHVKPFKPEKAKEI<br>IMSLQQPAIFCNMVFDPARHWNAYLSQVLHGKQIRFRMGKSMSTVPQFETTC<br>NYVEATLEEFLLWNCDQSSISGPFRDYDHSKFWAYADYKYFVSLFEDKTDLFQDVK<br>WSDFGFPGRNGQESTLWIGSLGAHTPCHLDSYGCNLVFQVQGRKRWHLFPPEDTP<br>FLYPTRIPYEESSVFSKINVNPDLKRFPQFRKAQRHAVTLSPGQVLFVPRHWWHYV<br>ESIDPVTVSINSWIELEEDHLARVEEAITRMLVCALKTAENPQNTRAWLNPTEVEETS<br>HAVNCCYLNAAVSAFFDRCRTSEVVEIQALRTDGEHMKKEELNVCNHMEVGQTGS<br>QNLTTGTDKPEAASPFGLPVAQRSEEPSPERGGIFGSDGKDFVDKDGEHFGKL<br>HCAKRQQIMSNSENAIEEQIASNTTTTPQTFISTDDLCLVNPQVTRIVAQLLIQGRS<br>L |
| <b>Sequence Similarities</b>    | Contains 1 JmjC domain.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## GENE INFORMATION

|                        |                                                                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | HSPBAP1 HSPB (heat shock 27kDa) associated protein 1 [ Homo sapiens ]                                                                            |
| <b>Official Symbol</b> | HSPBAP1                                                                                                                                          |
| <b>Synonyms</b>        | HSPBAP1; HSPB (heat shock 27kDa) associated protein 1; HSPB (heat shock 27kD) associated protein 1; HSPB1-associated protein 1; FLJ22623; PASS1; |
| <b>Gene ID</b>         | 79663                                                                                                                                            |
| <b>mRNA Refseq</b>     | NM_024610                                                                                                                                        |
| <b>Protein Refseq</b>  | NP_078886                                                                                                                                        |

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|------------------------|--------|
| MIM                    | 608263 |
| Uniprot ID             | Q96EW2 |
| Chromosome<br>Location | 3q21.1 |

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