

Product datasheet for SC112119

HSPBAP1 (NM_024610) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HSPBAP1 (NM_024610) Human Untagged Clone
Tag:	Tag Free
Symbol:	HSPBAP1
Synonyms:	PASS1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_024610, the custom clone sequence may differ by one or more nucleotides

ATGGCAGCAGGCTCCGAGGCGACCACTCCTGTGATCGTTGCGGCTGGGGCTGGAGGGGAGGAAGGTGAAC
 ATGTCAAACCTTTTAAGCCAGAGAAAGCAAAGAAATTATCATGTCTTTACAACAACCTGCAATCTTCTG
 TAACATGGTGTGTTGATTGGCCAGCAGCACTGGAATGCTAAATACCTTTTCGAGGTCCTTCATGGCAAG
 CAGATACGATTGAGAATGGGGATGAAAAGCATGAGCACAGTTCTCAGTTTGAACTACATGTAATTACG
 TAGAAGCTACACTCGAAGAGTTTCTGACCTGGAAGTGTGACCAGTCTAGTATTTCTGGACCATTTAGAGA
 TTATGACCATTCGAAGTTCTGGGCTTATGCTGACTATAAATATTTGTCAGTCTATTTGAAGACAAGACA
 GATCTTTTCCAGGATGTGAAATGGTCTGACTTCGGGTTTCTGGAAGAAATGGACAGGAAAGTACATTGT
 GGATTGGCTCCTTGGGAGCCACACACCTGTCTGACTCCTATGGTTGTAACCTGGTATTCCAGGT
 ACAAGGAAGGAAACGATGGCATCTCTTCTCCTGAAGATACTCCTTTCTTTATCCAACCTAGAATCCCT
 TATGAAGAATCTAGTGTGTTTCACTAAAATCAATGTTGTCAATCCTGATTTAAAGCGTTTTCTCAGTTCC
 GGAAAGCTCAAAGACATGCGGTTACACTGAGCCAGGACAGGTTCTTTGTTCCAGACACTGGTGGCA
 TTACGTAGAATCCATTGATCCTGTCACTGTGAGTATAAATCATGGATTGAACTGGAAGAGGATCACCTA
 GCGCGGTGAGAAGAGGCAATCACCGTATGCTTGTGTGTCCTGAAAACCTGCAGAGAATCCACAAAATA
 CCAGAGCCTGGTTAAACCCCACTGAGGTTGAGGAAACGTCCTATGCAGTCAACTGTTGCTACTTAAATGC
 AGCTGTTTCTGCATTTTGTGCTGCTGCAAGCATCTGAGGTAGTAAATCCAAGCACTGAGAACAGAT
 GGAGAGCACATGAAAAAGGAAGAAATTAATGTGTGCAACCATGGAGGTGGGCCAAACAGGTAGCCAGA
 ACTTGACCACAGGAACAGACAAACCGGAGGCAGCAAGTCCCTTTGGCCCTGATCTGGTCCCTGTAGCACA
 GAGGTCCGAAGAACCGCCTTCAGAAAGAGGAGGCATATTTGGAAGTGATGGGAAAGACTTTGTGGACAAG
 GATGGAGAACACTTTGAAAAATTGCATTGTGCAAGAGACAACAAATAATGAGCAACAGTGAAAATGCAA
 TTGAGGAACAGATTGCCTCAAATACTACTACGACTCCTCAAACATTCATTTCTACGGATGACTTGCTGGA
 CTGCTTGGTGAATCCACAAGTAACCAGGATAGTGGCACAACCTTTGATACAAGGAAGAAGTTTATGA


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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_024610 unedited <pre> AGTAATTGTATACGACTTACTATAGGCGCCGCGAATTCGGCACGAGGTTAAGGCCATGA CTTATAGATAGAAATACATACTTAAATTTGATTGGTGAAATATTCTGCAGCTCTTCTAGAT GGCAGGTGATAGTAAATACACAAAAATTGTGGTTCTACCAATAGCATATTCATTCTTCT ATAACAAAGCTTATATTAATGAGAGAACAGAAGATGAAATTAACAGACTTTATTATCT CTTAAAAAGCCATGAGACTTAACAGAAGTTAAAGCGTGTTTTTTAATTCAGGAAGAGG ATCACCTAGCCCGGGTAGAAGAGGCAATCACCCGTATGCTTGTGTGTGCCCTGAAAACTG CAGAGAAATCCACAAAATACCAGAGCCTGGTTAAACCCACATGAGGTTGAGGAAACGTCC CATGCAGTCAACTGTTGCTACTTAAATGCAGCTGTTTCTGCATTTTTTGATCGCTGCAGA ACATCTGAGGTAGTAGAAATCCAAGCACTGAGAACAGATGGAGAGCACATGANAAAGGAA GAATTAATGTGTGCAACCACATGGAGGTGGGCCAAACAGGTAGCCAGAAGTTGACCACA GGAACAGAACAAACCGGAGGCAGCAAGTCCCTTTTGCCCTGATCTGGTCCCTGTAGCACAG AGGCCCAAGAACCGCCCTTCATAAAGAGGAAGCATATTTGGGAGTGATGGGAAAGACTT TGTGCCCAAGGATGCAGAACACTTTGAAAATGCATTGTGCCAAGAGACAACAATAATGA GCACCGTGAAATGCAATTGAAGACAGATTGCCTCAATACTATACGACTCCTAAACTTCAT TTTACGATGACTTGTGCACTGCTTGTGGATCCCCAATACCCAGAAAGGGACACCTTTTG AACAGGAAAAATTATTGATCAGCGGACAT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_024610
Insert Size:	2100 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_024610.3</u> , <u>NP_078886.2</u>
RefSeq Size:	1961 bp
RefSeq ORF:	1467 bp
Locus ID:	79663
UniProt ID:	<u>Q96EW2</u>
Cytogenetics:	3q21.1
Domains:	JmjC

Gene Summary:

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. [provided by RefSeq, Sep 2011]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).