

Product datasheet for **SC115037**

HEBP2 (NM_014320) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HEBP2 (NM_014320) Human Untagged Clone
Tag:	Tag Free
Symbol:	HEBP2
Synonyms:	C6orf34; C6ORF34B; PP23; SOUL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115037 sequence for NM_014320 edited (data generated by NextGen Sequencing) <pre> ATGGCCGAGCCGCTCCAGCCAGACCCCGGGCGGCGGAGGACGCGCGGCCCAAGCTGTG GAGACGCCGGGCTGGAAGGCCCGGAGGACGCCGCGGCCCGAGCCGGAAGTTATGAGATC CGACACTATGGACCAGCCAAGTGGGTGAGCAGTCCGTGGAGTCTATGGACTGGGATTCA GCCATCCAGACGGGCTTTACGAACTGAACAGCTACATTCAAGGCAAAAACGAGAAAGAG ATGAAAATAAAGATGACAGCTCCAGTGACAAGCTACGTGGAGCCTGGTTCAGGTCTTTT AGTGAGTCTACCATTACCATTTCCCTGTATATTCCTCTGAACAGCAATTTGATCCACCC AGGCCTTTAGAGTCAGATGTCTTCATTGAAGATAGAGCCGAAATGACTGTGTTGTACGG TCTTCGATGGATTTTCTAGTGCCCAAAAGAATCAAGAACAACTTTTCATTAGCAAGC ATTTTAAGGGAAGATGGAAGTTTTCGATGAGAAGGTTTACTACACTGCAGGCTACAAC AGTCCTGTCAAATTGCTTAATAGAAATAATGAAGTGTGGTTGATTCAAAAAAATGAACCC ACCAAAGAAAACGAATGA </pre>

Clone variation with respect to NM_014320.2



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014320 unedited
 CGGCCGCGTAATTCGGCACGAGCCAGCCCGGCCGGGAGGAGGGACCGGGTCTGCGGAGCG
 GGGACTCGGGGCTCGGCCGGGGCGCGCACACGCAGGCGGGGGCGGCCCGGGGTGCGGGGCC
 TCTGCGCGGTGACCAAGCTCCCAGAGCGTCAGCGCGGCCCATGGCCGAGCCGCTCCAGC
 CAGACCCCGGGGCGGCCGAGGACGCGCGGCCCAAGCTGTGGAGACGCGGGGTGGAAGG
 CCCCAGGAGACGCGGCCCGCCAGCCCGGAAGTTATGAGATCCGACACTATGGACCAGCCA
 AGTGGGTGAGCAGCTCCGTGGAGTCTATGGACTGGGATTCAGCCATCCAGACGGGCTTTA
 CGAAACTGAACAGCTACATTCAAGGCAAAAACGAGAAAGAGATGAAAATAAAGATGACAG
 CTCCAGTGACAAGCTACGTGGAGCTGGTTCAGGTCTTTTGTAGTGTCTACCATTACCA
 TTTCCCTGTATATTCCCTCTGAACAGCAATTTGATCCACCCAGGCCTTTANAGTCAGATG
 TCTTTATTGAANATAGAGCCGAAATGACTGTGTTGTACGGTCTTTCCATGGATTTTCTA
 GTGCCCAAAANATCAAGAACAACCTTTTGACATTTANCAAGCATTTTAAGGGAANATGGA
 AAAGNTTTTCNATGANAAGGTTTACTACACTGGAGGCTACAACAGTCCTGTCAATTGCTT
 AATAAANAATGAAGNGGTTTATTTCAAAAAATGAACCCCAAAANAAACNATTGAA
 AAAATGAAAGGATNTTGTGGCAAAAGCAAAAATTGGTTNTTATAAACTTNACCTGNCC
 TNNAAGTAAAAAAAAAAAACTCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014320 unedited
 CCATTTATGCTTGACGCGGCCGAATTTAGGAGCGAGTTTTTACTTTTTTTTTTACT
 TATAGGTCATGTTGATGTCTATGATAAACAGATGTTTGCCTTTGACGGCAGAATTTNTT
 TTNATTTTCTCATTGTTTTCTTTGGTGGGTTCATTTTTTGAATTAAGCACATTATAT
 TATTTTTATTAAGCAAATTGTAAGGACTGTTGTAGCCTGTAGTGTAGTAAATCTTCTCAT
 CGAAAAGTTTTCCATCTTTCTTTAAAATGTTTGTAATGTAAGGTTGTTATTGAATTT
 TTTGGGTAAAGAGAATTTATTGATAAGAGCGTATAATATCTGTTATTTTCGGTTCATGT
 ATTATGAAGAGATCTGATTATATAGGTCTGGTTGGATTCTATTGATGTTTAATGATTATT
 ATCATGGGACTTGGTAATGGTAACTAATTATGAGGAGATGAAGGAGGATTGGTACAAC
 TGCTTGGGGCATGAGTATGGTGGTCACATAATATGATGCTGCGTAGTTGTTTGCCTATG
 GAATTTTAGTAACGTCTATATCTGACTGATTAATAATTTAATAGTCTATAGTGTAGGGTA
 TCGTCGGGCGTGCATGAGGAGAGGTAATATAATATATTTTATATTGAGAATCTCTGTTTT
 GTTGAGATATATATAATGAACCGATGTCCGTGATTTACCTTTATTGTGAGTCAGCTTATG
 TTTATTGATAATATAGACTATGGTTAATACTCTCAAGAATGAACACCTAGATACGTTGGG
 TATTGTGCCTGTTTGTGTTTTGTAGTTGCTCTTGGTTGAGGGAGTTTATGCGTGCATGG
 GTCATTATCATGTTTTTTGCTAATTTTCGGTGTTTTTGCTATATGAAATGATTTTGAGTT
 ATTATTTTAGTTA

Restriction Sites:

ECorI-NOT

ACCN:

NM_014320

Insert Size:

880 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_014320.2, NP_055135.1</u>
RefSeq Size:	1282 bp
RefSeq ORF:	618 bp
Locus ID:	23593
UniProt ID:	<u>Q9Y5Z4</u>
Cytogenetics:	6q24.1
Domains:	SOUL
Gene Summary:	The protein encoded by this gene is found predominately in the cytoplasm, where it plays a role in the collapse of mitochondrial membrane potential (MMP) prior to necrotic cell death. The encoded protein enhances outer and inner mitochondrial membrane permeabilization, especially under conditions of oxidative stress. [provided by RefSeq, May 2016]