

Product datasheet for **SC116092**

HEF1 (NEDD9) (NM_006403) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HEF1 (NEDD9) (NM_006403) Human Untagged Clone
Tag:	Tag Free
Symbol:	HEF1
Synonyms:	CAS-L; CAS2; CASL; CASS2; HEF1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC116092 sequence for NM_006403 edited (data generated by NextGen Sequencing)

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ATGAAGTATAAGAATCTTATGGCAAGGGCCTTATATGACAATGTCCCAGAGTGTGCCGAG
GAACTGGCCTTTTCGCAAGGGAGACATCCTGACCGTCATAGAGCAGAACACAGGGGGACTG
GAAGGATGGTGGCTGTGCTCGTTACACGGTCGGCAAGGCATTGTCCCAGGCAACCGGGTG
AAGCTTCTGATTGGTCCCATGCAGGAGACTGCCTCCAGTCACGAGCAGCCTGCCTCTGGA
CTGATGCAGCAGACCTTTGGCCAACAGAAGCTCTATCAAGTGCCAAACCCACAGGCTGTCT
CCCCGAGACACCATCTACCAAGTGCCACCTTCTACCAAATCAGGGAATTTACCAAGTC
CCCACTGGCCACGGCACCAAGAACAAGAGGTATATCAGGTGCCACCATCAGTGCAGAGA
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GGCCATGGCTACGTATACGAGTACCCATCCAGATACCAAAGGATGTCTATGATATCCCT
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GACGCCAAGCAGCTCACCAACCATCAACACCAACGCAGAGGCCCTCTCAGACCCGGC
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AACCAGCTCTGCGAGCAGCTCAAGACTATAGTCATGGCAACCAAGATGGCCGCCCTCCAT
TACCCAGCACCCAGGCCCTGCAGGAAATGGTGCACCAAGTGACAGACCTTTCTAGAAAT
GCCAGCTGTTCAAGCGCTCTTTGCTGGAGATGGCAACGTTCTGA

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Clone variation with respect to NM_006403.3
 141 a=>g;525 c=>t;1476 t=>c;2367 c=>t

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006403 unedited
 TAGCTTTTGTATACGACTCCTATAGGGCGGCCGGAATTCGCACGAGGGCGCTGCGACTG
 ACAAGCGGCTCTGCCCGGACCTTCTCGCTTTCATCTAGCGCTGCACTCAATGGAGGGGC
 GGGCACCCGAGTGCTTAATGCTGTCTTAACTAGTGTAGGAAAACGGCTCAACCCACCGCT
 GCCGAAATGAAGTATAAGAATCTTATGGCAAGGGCCTTATATGACAATGTCCCAGAGTGT
 GCCGAGGAACGGCCTTTCGCAAGGGAGACATCCTGACCGTCATAGAGCAGAACACAGGG
 GGACTGGAAGGATGGTGGCTGTGCTCGTTACACGGTCGGCAAGGCATTGTCCCAGGCAAC
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 TCTGGACTGATGCAGCAGACCTTTGGCCAAACAGAAGCTCTATCAAGTGCCAAACCCACAG
 GCTGCTCCCCGAGACACCATCTACCAAGTGCCACCTTCTACAAAATCAGGGAATTTAC
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 AGGACAGGCCATGGCTACGTATACGAGTACCCATCCAGATACCAAAGGATGTCTATGAT
 ATCCCTCCTTCTCATACCACTCAAGGGGTATACGACATCCCTNCCTCATCAGCAAAGGCC
 CTGTGTTTTCAGTTCAGTGGGGAGAGAAAAACCTCANGGGGGTGTATGACATNCCCGCC
 TACAAAGGGTATATGCCATTCCC GCCCTGTCTGCCGGATGAAGCAGNCTTAGGGAAAA
 GACTATGACTTCCCCTCCATGAGAAGNCTGNAAGGCGACTCACCCGNGGGGGGGTTTA
 GCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006403 unedited
 AGCTCTGGACCGCGCCGCATNCTAGNAGTCGGTTTTTTTTTTTTTTTTTTTTCAGAGACT
 AAAATTTAATGATTTAAAAATAGCCTCTACATACAAGATGGCAAAGAGTAATACAGATTG
 AACATTTGGTTTTAAAAATGTGAAATGTCTCCACTTAGCGTAGATCAATCAAGTCAGCCA
 TCTCCTAAGAAATACACATTATAACAATGAAATCTACAAAGACACACTTTTTAACTTCAAG
 CGTTGTTGATTTTCAGCAACCCTTCCACATGAACATTTCTTGTAAATGTAATGTATG
 ACTTTTAACTCTTCTTTGGCAGAGTAGGACTTTGAGAATTATAATAGCAGTTGTTTTGAA
 AAGCACCTTCTATGATCATTTATTTCCACTGATTTTTTTTTTAAATCACGCTGAGATCATG
 CATTCTTGTTTTTAAATCCTTTTCTGTCCAATGATTTGGTTGTTTTAAACAAGCAAGC
 TTAATTCAGTCAGGCATATATTGCAAATAAAAACATGTTTCCAAGTAGGCTGGAATAAAA
 ATGCTAAATAAGAAGTGGGCCAAAAGATCATAGATAATGTGCTTCTTCTTTGGTAATAT
 GTAATAACATTTACCCATGGGGNTAGAAGTATTTACCTGCCCATGAAGAACCCTGATGG
 CTTGTGGNNTGTCTGTGCTGTGCAATACTAACAGATGTGAGGAGACAGACTATGGAATG
 GACGCTGTGACTATCTGTGAATGTGGGAAAGGGGTTATACACACTGGCCACAGGAAAAGT
 GCAAAAATTAGATGGACTCTGTGTAGCTAGCCACTCTTGANTGTCAGGTCTGCATATGTGA
 GTTTTAAAGAAAGTGCAAGATAGCANTAATTCCTTTAGAGAGCAGGAATGTNCCTGGG
 AGCTCTATAGNTCCATGATCAAGGACCTGGCCAGTTTCTTCAGTAATGGGGGTAGTGC
 CACAAAGGGAATATTAGAGTCAAAAG

Restriction Sites:

NotI-NotI

ACCN:

NM_006403

Insert Size:

4310 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: [NM_006403.2](#), [NP_006394.1](#)

RefSeq Size: 4532 bp

RefSeq ORF: 2505 bp

Locus ID: 4739

UniProt ID: [Q14511](#)

Cytogenetics: 6p24.2

Domains: SH3

Gene Summary: The protein encoded by this gene is a member of the CRK-associated substrates family. Members of this family are adhesion docking molecules that mediate protein-protein interactions for signal transduction pathways. This protein is a focal adhesion protein that acts as a scaffold to regulate signaling complexes important in cell attachment, migration and invasion as well as apoptosis and the cell cycle. This protein has also been reported to have a role in cancer metastasis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012]

Transcript Variant: This variant (1) encodes isoform 1.