

Product datasheet for **SC107603**

HEF1 (NEDD9) (NM_182966) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HEF1 (NEDD9) (NM_182966) Human Untagged Clone
Tag:	Tag Free
Symbol:	HEF1
Synonyms:	CAS-L; CAS2; CASL; CASS2; HEF1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_182966, the custom clone sequence may differ by one or more nucleotides

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ATGAAGTATAAGAATCTTATGGCAAGGGCCTTATATGACAATGTCCCAGAGTGTGCCGAGGAAGTGGCCT
TTCGCAAGGGAGACATCCTGACCGTCATAGAGCAGAACACAGGGGGACTGGAAGGATGGTGGCTGTGCTC
ATTACACGGTCGGCAAGGCATTGTCCCAGGCAACCGGGTGAAGCTTCTGATTGGTCCCATGCAGGAGACT
GCCTCCAGTCACGAGCAGCCTGCCTCTGGACTGATGCAGCAGACCTTTGGCCAACAGAAGCTCTATCAAG
TGCCAAACCCACAGGCTGCTCCCGAGACACCATCTACCAAGTGCCACCTTCCTACCAAATCAGGGAAAT
TTACCAAGTCCCCACTGGCCACGGCACCCAAGAACAAGAGGTATATCAGGTGCCACCATCAGTGCAGAGA
AGCATTGGGGGAACCAAGTGGGCCCCACGTGGGTAAAAAGGTGTTCCAGAGAGATGGGCAAGTGCCTATT
TCTTAGTGAGAGCCTCTAAACAAACCAGCTTGTGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_182966 unedited AATAACACCCGCCGTTGAAGCAAAGGGCGGTAGGCGTGTACGGTGGGCAGGTCTATATA AGCAGAGCTCATTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCC GCGAATTCGGCACGAGGGCGACTGACAAGCGGCTCTGCCCGGGACCTTCTCGCTTTCATCT AGGCCTGCACTCAATGGAGGGGGCGGCACCGCAGTGCTTAATGCTGTCTTAACTAGTGTA GGAAAACGGCTCAACCCACCGCTGCCGAAATGAAGTATAAGAATCTTATGGCAAGGGCCT TATATGACAATGTCCCAGAGTGTGCCGAACTGGCCTTTCGCAAGGGAGACATCCTGA CCGTCATAGAGCAGAACACAGGGGGACTGGAAGGATGGTGGCTGTGCTCATTACACGGTC GGCAAGGCATTGTCCCAGGCAACCGGGTGAAGCTTCTGATTGGTCCCATGCAGGAGACTG CCTCCAGTCACGAGCAGCCTGCCTCTGGACTGATGCAGCAGACCTTTGGCCAACAGAAGC TCTATCAAGTGCCAAACCCACAGGCTGCTCCCGAGACACCATCTACCAAGTGCCACCTT CCTACCAAAATCAGGGAATTTACCAAGTCCCACTGGCCACGGCACCCAAGAACAAGAGG TATATCAGGTGCCACCATCAGTGCAGAGAAGCATTGGGGGAACCAAGTGGGCCCCACGTGG GTAAAAAGGTGATAACCCCGTGAAGGACAGGCCATGGCTACGTATACGAGTACCCATCCA GATACCAAAAGGACGTCTATGAGATCCCTCCTTCTCATACCACTCAAGGGGTATACGACA TCCTCCCTCATCAGCAGAGGCCCTGTGTTTCAGTTCAGTNGCAGAATACAACCTCAGG NGTGTATGACATCCTGTACTACAGNGTATATGCCATNCCGCT
Restriction Sites:	NotI-NotI
ACCN:	NM_182966
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:	<ol style="list-style-type: none"> 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_182966.1</u> , <u>NP_892011.1</u>
RefSeq Size:	1329 bp
RefSeq ORF:	1329 bp
Locus ID:	4739
UniProt ID:	<u>Q14511</u>
Cytogenetics:	6p24.2

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 (2) lacks several exons and includes an alternate 3' terminal exon, compared to variant 1. It encodes isoform 2 which is shorter and has a distinct C-terminus, compared to isoform 1.