OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC330917

HEF1 (NEDD9) (NM_001271033) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HEF1 (NEDD9) (NM_001271033) Human Untagged Clone
Tag:	Tag Free
Symbol:	NEDD9
Synonyms:	CAS-L; CAS2; CASL; CASS2; HEF1
Vector:	pCMV6-Entry (PS100001)

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Fully Sequenced ORF:

>SC330917 representing NM_001271033.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGAAGTATAAGGTGATAACCCCCGTGAGGACAGGCCATGGCTACGTATACGAGTACCCATCCAGATAC
CAAAAGGACGTCTATGATATCCCTCCTTCTCATACCACTCAAGGGGTATACGACATCCCTCCCTCATCA
GCAAAAGGCCCTGTGTTTTCAGTTCCAGTGGGAGAGATAAAACCTCAAGGGGTGTATGACATCCCGCCT
ACAAAAGGGGTATATGCCATTCCGCCCTCTGCTTGCCGGGATGAAGCAGGGCTTAGGGAAAAAGACTAT
GACTTCCCCCCTCCCATGAGACAAGCTGGAAGGCCGGACCTCAGACCGGAGGGGGTTTATGACATTCCT
CCAACCTGCACCAAGCCAGCAGGGAAGGACCTTCATGTAAAATACAACTGTGACATTCCAGGAGCTGCA
GAACCGGTGGCTCGAAGGCACCAGAGCCTGTCCCCGAATCACCCACCCCCGCAACTCGGACAGTCAGTG
GGCTCTCAGAACGACGCATATGATGTCCCCCGAGGCGTTCAGTTTCTTGAGCCACCAGCAGAAACCAGT
GAGAAAGCAAACCCCCAGGAAAGGGATGGTGTTTATGATGTCCCTCTGCATAACCCGCCAGATGCTAAA
GGCTCTCGGGACTTGGTGGATGGGATCAACCGATTGTCTTTCTCCAGTACAGGCAGCACCCGGAGTAAC
ATGTCCACGTCTTCCACCTCCTCCAAGGAGTCCTCACTGTCAGCCTCCCCAGCTCAGGACAAAAGGCTC
TTCCTGGATCCAGACACAGCTATTGAGAGACTTCAGCGGCTCCAGCAGGCCCTTGAGATGGGTGTCTCC
AGCCTAATGGCACTGGTCACTACCGACTGGCGGTGTTACGGATATATGGAAAGACACATCAATGAAATA
CGCACAGCAGTGGACAAGGTGGAGCTGTTCCTGAAGGAGTACCTCCACTTTGTCAAGGGAGCTGTTGCA
AATGCTGCCTGCCTCCCGGAACTCATCCTCCACAACAAGATGAAGCGGGAGCTGCAACGAGTTGAAGAC
TCCCACCAGATCCTGAGTCAAACCAGCCATGACTTAAATGAGTGCAGCTGGTCCCTGAATATCTTGGCC
ATCAACAAGCCCCAGAACAAGTGTGACGATCTGGACCGGTTTGTGATGGTGGCAAAGACGGTGCCCGAT
GACGCCAAGCAGCTCACCACAACCATCAACACCAACGCAGAGGCCCTCTTCAGACCCGGCCCTGGCAGC
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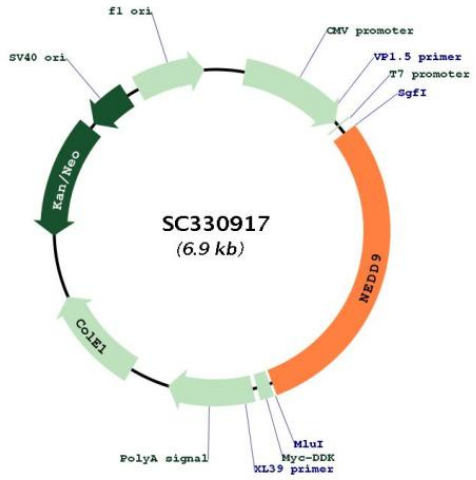
CAGCTGCTGCATCCTGGTGACCACAAGGCCCAGGCCCACAACAAGGCACTGCCCCCAGGCCTGAGCAAG
GAGCAGGCCCCTGACTGTAGCAGCAGTGATGGTTCTGAGAGGAGCTGGATGGATGACTACGATTACGTC
CACCTACAGGGTAAGGAGGAGTTTGAGAGGCAACAGAAAGAGCTATTGGAAAAAGAGAATATCATGAAA
CAGAACAAGATGCAGCTGGAACATCATCAGCTGAGCCAGTTCCAGCTGTTGGAACAAGAGATTACAAAG
CCCGTGGAGAATGACATCTCGAAGTGGAAGCCCTCTCAGAGCCTACCCACCACAAACAGTGGCGTGAGT
GCTCAGGATCGGCAGTTGCTGTGCTTCTACTATGACCAATGTGAGACCCATTTCATTTCCCTTCTCAAC
GCCATTGACGCACTCTTCAGTTGTGTCAGCTCAGCCCAGCCCCCGCGAATCTTCGTGGCACACAGCAAG
TTTGTCATCCTCAGTGCACACAAACTGGTGTTCATTGGAGACACGCTGACACGGCAGGTGACTGCCCAG
GACATTCGCAACAAAGTCATGAACTCCAGCAACCAGCTCTGCGAGCAGCTCAAGACCATAGTCATGGCA
ACCAAGATGGCCGCCCTCCATTACCCCAGCACCACGGCCCTGCAGGAAATGGTGCACCAAGTGACAGAC
CTTTCTAGAAATGCCCAGCTGTTCAAGCGCTCTTTGCTGGAGATGGCAACGTTCTGA

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN:	NM_001271033
Insert Size:	2058 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_001271033.1
RefSeq Size:	4103 bp
RefSeq ORF:	2058 bp
Locus ID:	4739
UniProt ID:	Q14511
Cytogenetics:	6p24.2
MW:	76.6 kDa

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 (4) lacks an alternate in-frame exon in the coding region compared to variant 1. It encodes isoform 4 which is shorter than isoform 1.