

Product datasheet for **RR209981**

Edem2 (NM_001004230) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Edem2 (NM_001004230) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Edem2
Synonyms:	RGD1303074
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR209981 representing NM_001004230
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTTCCGGCTGCTTATCCCGCTCGGCCTCGTGTGCTGCTGCTGCCCTGCACCATGGTGCGCCAG
 GCCCGAAGGCACCGCGCCGACCCGCCACTACAGGGAGCGAGTCAAGGCCATGTTCTACCACGCCTA
 CGACAGTTACCTGAAAAATGCCTTCCCTACGATGAGCTGAGACCTCTCACCTGTGACGGGCACGACACC
 TGGGGCAGTTTTTCTCTGACACTGATTGATGCCCTGGACACCTTGTGATTTGGGGAATACCTCTGAAT
 TCCAAAGAGTGGTGGAGGTTCTCCAGGACAACGTGGACTTTGATATCGACGTCAATGCCTCTGTGTTTGA
 AACCAACATCCGAGTGGTAGGAGGACTCCTTCTGCTCACCTCTGTCAAAGAAGGCTGGTGTGGAGGTG
 GAAGCTGGATGGCCTTGTCTGGACCTCTCCTCAGGATGGCGGAGGAAGCAGCCCGAAAACCTCTCCAG
 CGTTTCAGACCCACCGGCATGCCCTATGGAAGTGTGAACCTGCTTCATGGCGTGAACCTGGAGAGAC
 TCCTGTTACCTGTACAGCAGGGATTGGGACCTTATTGTGAATTTGCTACCCTGAGCAGCTCACCGGT
 GACCCTGTGTTTGAAGATGTGGCCAGAGTGGCCCTGATGCGCCTCTGGGAGAGCCGGTACAGATATTGGGC
 TGGTCCGCAATCACATCGATGTGCTCACTGGCAATGGGTGGCTCAGGACGCAGGCATCGGGGCTGGTGT
 GGATTCCTATTTTGTGACTGTTAAAAGGAGCCATCCTCCTCAGGATAAGAAGCTCATGGCCATGTTT
 CTAGAGTACAACAAGCCATCCGGAATTACACGCACCTTCGATGACTGGTACCTCTGGGTGCAGATGTACA
 AGGGGACCGTGTCCATGCCTGTCTTCCAGTCTTGGAGGCCTACTGGCCTGGTCTTCAGAGCCTTATTGG
 GGATTTGACAATGCCATGAGAACCTTCTCAACTACTACTGTATGGAAGCAGTTTGGGGGGCTGCCA
 GAATTCTACAACATTCCTCAGGGATACACAGTGGAGAAGCGAGAAGGCTACCCACTCCGACCGGAGCTCA
 TCGAGAGCGCAATGTACCTCTACCGTCCACAGGGGATCCCACTCTTTAGAAGTGGGAGAGATGCTGT
 GGAGTCCATTGAGAAAAATCAGCAAGGTGGAGTGGGGTTCGCCACGATCAAGGACCTCCGGGATCACAAA
 CTTGACAACCGCATGGAGTCTTTCTTCCGCGGAGACTGTGAAATACCTCTACCTTCTGTTTACCACAA
 ACAACTTCATCCACAACATGGCTCCACTTTTACTCTGTGATGACCCCCATGGGGAGTGCATCCTGGG
 AGCTGGGGGCTACATCTTCAACACGGAAGCTCACCCCATCGACCTGCCGCTTGCCTGTTGCCGGAGG
 CTGAAGGAAGAGCAGTGGGAAGTGGAGGACTTGATAAAGGAGTTCTACTCTCAGACAGAGCAGGTCAA
 GAGCTCAGAGAAAGACAGTGAAGTTCGGGGCCCTGGGAGCCCCAGCAGGGCCAGGCACACTCTCCTCACC
 TGAACCAGCCAGGGAGAAGCAGCCTGCCAGGCAGAGAGCCCCGCTCCTCAGTGCCTCCAGCCAGCC
 TTCCTTCTAACTGGCCCTGCTAGGCCAGTTTTCTAGACTCCTCA

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209981 representing NM_001004230
 Red=Cloning site Green=Tags(s)

MPFRLLIPLGLVCVLLPLHHGAPGPEGTAPDPAHYRERVKAMFYHAYDSYLENAFPYDELRLPLCDGHDT
 WGSFSLTLIDALDTLLILGNTSEFQRVVEVLQDNVDFDIDVNASVFETNIRVVGGLLSAHLISKAGVEV
 EAGWPCSGPLLMAEEAARKLLPAFQPTGMPYGTVNLHGVNPGETPVCTAGIGTFIVEFATLSSLTG
 DPVFDVARVALMRLWESRSDIGLVGNHIDVLTKWVAQDAGIGAGVDSYFEYLKGAILLQDKLMAMF
 LEYNKAIRNYTHFDDWYLWVQMYKGTVMVPVFSLEAYWPGLQSLIGDIDNAMRTFLNYYTVWKQFGGLP
 EFYNIQGYTVEKREGYPLRPELIESAMYLIRATGDPTLLELRDAVESIEKISKVECGFATIKDLRDHK
 LDNRMESFFLAETVKYL YLLFHPNNFIHNNGSTFDSVMTPHGECILGAGGYIFNTEAHPIDPAALHCCRR
 LKEEQWEVEDLKEFYSLRQSRRAQRKTVSSGPWEPPAGPGTLLSSPENQPREKQPARQRAPLLSCPSQP
 FTSKLALLGQVFLDSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

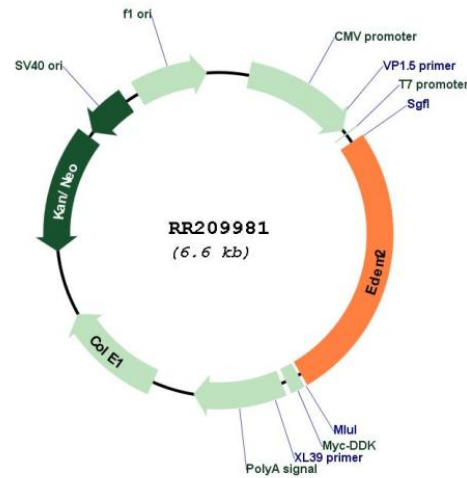
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001004230

ORF Size: 1728 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001004230.1 , NP_001004230.1
RefSeq Size:	1898 bp
RefSeq ORF:	1731 bp
Locus ID:	296304
Cytogenetics:	3q42
MW:	64.4 kDa