

Product datasheet for **MR221008**

Edil3 (NM_010103) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Edil3 (NM_010103) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Edil3
Synonyms:	Del-1; Del1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR221008 representing NM_010103
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGCACTTGGTAGCAGCCTGGCTTTTGGTTGGACTCAGCCTCGGGGTGCCCCAGTTCGGCAAAGGTG
 ACATTTGCAACCCGAACCCCTGTGAAAATGGTGGCATCTGTCTGTCAGGACTGGCTGATGATTCCTTTTC
 CTGTGAGTGTCCAGAAGGCTTCGAGGTCCGAAGTCTCTAGTGTGTGGAGTTGGTCCCTGCATCCCT
 AACCCATGCCATAACGGAGGAACCTGTGAGATAAGCGAAGCCTATCGAGGAGACACATTCATAGGCTATG
 TTTGTAATGTCTCGGGGATTTAATGGGATTCAGTGTGAGCACAATAAATGAATGTGAAGCTGAGCC
 TTGCAGAAATGGCGAATATGTACCGACCTTGTGCTAACTACTCTTGTGAATGCCAGGAGAATTTATG
 GGACGAAATGTCAATAAATGCTCTGGGCCATTGGGAATCGAAGGTGGGATCATATCTAATCAGCAA
 TCACAGCTTCATCTACTACCGAGCTCTTTTGGACTCCAGAAGTGGTATCCCTACTATGCTCGACTTAA
 TAAGAAGGGCCTATAAATGCCTGGACAGCTGCTGAAAATGACAGATGGCCATGGATTAGATAAATTTG
 CAAAGAAAAATGAGAGTCACTGGTGTATTACCCAAGGAGCAAAAAGGATTGGAAGCCCAGAGTACATAA
 AATCCTACAAAATTCCTACAGCAATGACGGGAAGACCTGGGCAATGTACAAAAGTAAAAGGCACCAATGA
 AGAGATGGTCTTTCGTGGAAATGTTGATAACAACACCATATGCTAATTCCTTTCACACCCCAATCAAA
 GCTCAGTATGTAAGACTTACCCCAAAATTTGTGGAAGGCATTGTACTTTAAGAAATGGAACCTTCTGGCT
 GTGAGCTCTCAGGCTGTTTACAGCACTTTGGGGATGAAATCAGGGCATATACAAGACTACCAGTCACTGC
 CTCCAGCGTCTTCAGAACACTCAACATGGACATGTTTACTTGGGAACCAAGGAAAGCCAGGCTGGACAAG
 CAAGGCAAAGTAAATGCCTGGACTTCCGGCCATAACGACCAGTCACAATGGTTACAGGTTGATCTTCTTG
 TCCCTACTAAGGTGACAGGCATCATTACACAAGGAGCTAAAGATTTTGGTACGTGAGTTGTTGGGTC
 ATACAAAACACTAGCTTACAGCAATGATGGAGAACACTGGATGGTGCACCGAGGATGAAAAACAGAGAAAAGAC
 AAGGTTTTTCAAGCAATTTTGAATGACACTCACAGGAAAAATGTCATCGACCCTCCATCTATGCAC
 GATTCATAAGAATCCTTCTTGGTCTGGTATGGAAGGATCACTCTCGCGTCAGAGCTGCTGGGCTGCGC
 AGAGGAGGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR221008 representing NM_010103
 Red=Cloning site Green=Tags(s)

MKHLVAAWLLVGLSLGVPQFGKGDICNPNPCENGGICLSGLADDSFSCECPEGFAGPNCSSVVEVGPCIP
 NPCHNGGTCEISEAYRGDTFIGYVCKCPRGFNGIHCQHNINECEAEPCRNNGICTDLVANYSCECPGEFM
 GRNCQYKCSGPLGIEGGIISNQITASSTHRALFGLQKWYPYARLNKKGLINAWTAAENDRWPWIQINL
 QRKMRVTGVITQGAKRIGSPEYIKSYKIAYSNDGKTWAMYKVKGTNEEMVFRGNVDNNTPYANSFTPPIK
 AQYVRLYPQICRRHCTLRMELLGCELSGCSEPLGMKSGHIQDYQITASSVFRTLNMDMFTWEPRKARLDK
 QGKVNAWTSGHNDQSQWLQVDLLVPTKVTGIITQGAKDFGHVQFVGSYKLAYSNDGEHWMVHQDEKQRKD
 KVFQGNFDNDTHRKNVIDPPIYARFIRILPWSWYGRITLRESELLGCAEEE

TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_010103

ORF Size: 1410 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:

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_010103.4](#), [NP_034233.1](#)
RefSeq Size: 5328 bp

RefSeq ORF: 1413 bp

Locus ID: 13612

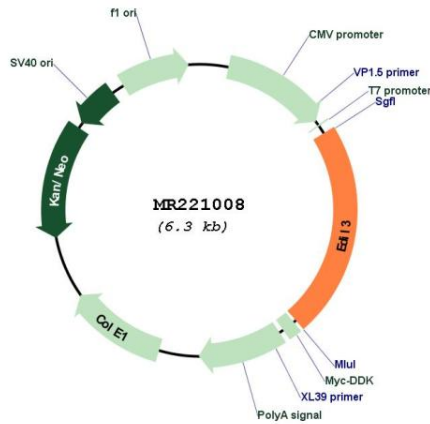
UniProt ID: [O35474](#)

Cytogenetics: 13 C3

MW: 53.1 kDa

Gene Summary: Promotes adhesion of endothelial cells through interaction with the alpha-v/beta-3 integrin receptor. Inhibits formation of vascular-like structures. May be involved in regulation of vascular morphogenesis of remodeling in embryonic development.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR221008