

Product datasheet for **RR211061**

Exd1 (NM_001107761) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Exd1 (NM_001107761) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Exd1
Synonyms:	Exd1; RGD1561009
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR211061 representing NM_001107761
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGCCAGCAGTACTACCATTTCCTCAACCAGATTTTGTGGAGAAGGGTGAAGCTCACACTGGTGT
 CTGGCATCTTTGAGGGCGTGTCTCCAGCATGTGGATCCTAACAAGATTGTTGTCTGAAAAACGTGAAGAA
 CATAGAGTCAGGCCGAAGTGTCCAGGAGTGAAAAATGTTTTTCGGGCATGAGATTTTGAATGTGGAACTA
 ATGGATGAAGCAGAAGGTGCATCGGGAGAAAAGGTGAACTCTGTTAGCATAAATACAGAACGAGCTGGAA
 TGGAGAAAATGAAAAAGGAAGACTTAAATGTATGTGAGCCTGCCTCACCTGCACCAGAGGTGCCAACCCAG
 CTCTCTCCTCAGTGACCTCAAGTACTGCCCATCAGAGGAAGAGGAGGTGACGTATACGGTCATTGATCAG
 TTCCAGCAGAAGTTGGTGTGCGATGTCCACATTAAGAAGCAGAGTGTCTGAGTGTGCTGCTGAAG
 GAGCTAATGTGTGTGCCATGGGAACTCTGTTGGCTTCAGGTAGCCACAACAGCCGAGTTTACTTGT
 TGATATTTTCTTCTGGGAAGCCGTGCTTCAACAATGGACTTCAGATGATCTTAGAAGACAAGAGAATC
 TTAAGGTTATCCACGATTGTGCGTGGCTGTGATTGCCTGTCTCATCAGTATGGAATCATGCTGAGCA
 ATGTCTTTGACACACAGGTAGCCGATGTCTTCAGTTTTCTATGGAACGGGTGGCTTTCTTCAAACCTG
 TATCAGTACTTTGACAGGAGTGTTAATCAGACACCTTAAAGTTGCCCAAAATACCTTTTGTTTTGAAG
 GAGAGACAGAAACAGATTGAGAAAATCCAGAAGTATGGCTGACAAGACCCCTTCCACCCTTTTATTGA
 AAATCTTGGCCCTGGAACAGCCTACCTGCTTCCCCTTCGGCTGGTGTCTCTGGATGAGGTGATGTCAGA
 TTTGACCACACTGGTGGATGCGTACCTGAACACCTACCGGGATGGGTCTGCAGACCGGCTTGCCGGCACA
 GAGCCTGCGTGTATGGAGCTGCCTGCAGAGCTTCTTCAACTCCAGGACTCCAGAAGCAGCCGAGAGAGA
 GAGCTGCAAAAGGAGTACAGAGTGAACGCACAGGGCCTCCTATAAGGACGCTGCTACACCAAAAGGAGCC
 AGGGGCTCGCACAGTGGGAAAGAGAGCAGCATCCAGGTTTTCTATTTTGTAAAGACGTCTGGTGTAGAC
 CGGTTTCTCGCTTTATATGTCACGACTCTATAAGGATGAGAATTATTTGGATAAAGAGTCTAAACAAA
 CCACAGAAAAGTCAAAATCGTACCTCCCTGGAAGGAAGGCGAAAAGAGCAAACAGTGTGTGGGGAGCC
 AGCTGGGTGAGAAGACCCGAGAGCCAGTCCCTGCCTCCAGACAGGCATTTTCAAGTACAGTTTTCTTTA
 AAAGAGGAGATAGAACAGTTGCTGTTGGTGGAAAATAAAGGAGCTTTAACAAGCTCAAATGAAGACTC
 TGGTGTGCGCTTCTTTTCTCAGGAAGCCTGGGAAGCACCAAGTAAAGCTCCCATCTCCCGAAAATGC
 TGTGGTTTCTGCACTTCCACCCTGTCCAGCCCTGGAGAAGACAGATTCATGGATAAGTCCGCTCTAAAT
 CTGTTT

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR211061 representing NM_001107761
 Red=Cloning site Green=Tags(s)

MDASSDYHFLNQILWRRVKLTLVSGIFEGVLQHVDPNKIVVLKNVKNIESGRSVPVGMFFGHEILNVEL
 MDEAEGASGEKVNVSINTERAGMEKMKKEDLVNCEPASPAPPEVPTSSLLSDLKYCPSEEEVYTYVIDQ
 FQQKFGAAMLHIKKQSVLSVAAEGANVCRHGKLCWLQVATNSRVYLFDFLLGSRFNNGLQMILEDKRI
 LKVIHDCRWLSDCLSHQYIGMLSNVFDTVADVLQFSMETGGFLPNCISTLQECLIRHLKVAPKYLLFLE
 ERQKQIQENPEVWLTRPLPPSLLKILALETAYLLPLRLVLLDEVMSDLTTLVDAYLNTYRDGSADRLAGT
 EPACMELPAELLQLQDFQKQRREERAAYRVAQGLLIRTLHPKEPGARTVKGEEHIQGFLECKTSGVD
 RVPRFICHDSHKDENYLDKESKQTTEKSQIVPPWKEGEKSKPVCGEPAQSLPPRQAFQSQFSL
 KEEIEQLLLVENKALSSNEDTLVSPSLSQEAWAEPSESHLPENAVVSALPPCPALEKTDWISPSLN
 LF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

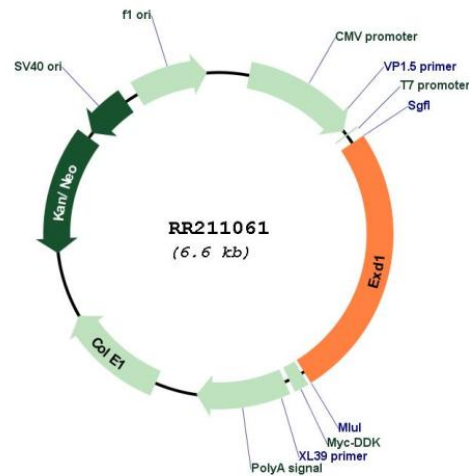
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001107761
 ORF Size: 1686 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_001107761.1 , NP_001101231.1
RefSeq Size:	3435 bp
RefSeq ORF:	1689 bp
Locus ID:	311334
Cytogenetics:	3q35
MW:	63.1 kDa