

Product datasheet for **RR215456**

Extl3 (NM_020097) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Extl3 (NM_020097) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Extl3
Synonyms:	Regr
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RR215456 representing NM_020097
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACAGGCTATACCATGTTGCGGAATGGGGAGTGGGAACGGTGGTCAGACCTGTATGCTGCGCTGGT
 CCAACCGCATCCGGCTGACCTGGCTGAGTTTCAGCTGTTTCATCATCCTGGTCTTCTTCCCCTCATTGC
 CCACTATTACCTCACCCTCTGGATGAGGCAGATGAGGCCGCAAGCGCATCTTTGGCCCCGGGCTGGC
 AACGAGCTCTGTGAGGTAAGCACGCTCCTAGATCTTTGTCGGATCCGCGAGTCTGTGAGCGAAGAGCTTC
 TACAGCTAGAAGCAAGCGGCAGGAGCTGAACAGCGAGATTGCCAAGCTAAACCTCAAGATTGAAGCCTG
 TAAGAAGAGTATAGAGAACGCCAAGCAGGACCTGCTGCAGCTCAAGAATGTCATTAGCCAGACAGAGCAC
 TCCTACAAGGAGCTGATGGCCAGAACCAGCCAAACTGCTACTGCCATCCGGTCTCCCTGAGAAGG
 ATGACGCTGGCCTTCCACCCCCAAGGTCCTCGGGTTCGGGTACACAAGTCTTTCGATTACTCTCG
 TTGCCCTCTGACGCTGGCTTTCTGTCTTCGTCTATGACAGTGACCAGTTTGCCTTTGGGAGCTACCTG
 GACCTTTGGTCAAGCAGGCTTTTCAGGCTACAGTGAGAGCCAACGTTTATGTTACAGAAAATGCAGCCA
 TCGCCTGCCTGTATGTGGTGTAGTGGGAGAGATACAAGAGCCCCTGTGCTGCAGCCTGCCGACCTTGA
 GAAGCAGCTGCATTCTCTGCCACACTGGAGGACAGACGGACACAACCATGTCATCATCAATCTGTCCCGG
 AAGTCAGACACACAAAATTTACTGTACAATGTCAGTACAGGTCGGGCCATGGTGGCCAGTCTACCTTCT
 ATGCTGCCAGTACAGAGCTGGCTTTGACTTGGTTGTGTACCAGTGTCCATGCCATGTCTGAACCCAA
 CTTTCATGGAATCCCACCGCAGGTGCCAGTTAAGCGGAAATATCTTTCCTTCCAGGGTGAGAAGATT
 GAGTCTTAAGATCTAGCCTTCAGGAGGCCGTTTCCTTTGAGGAAGAAATGGAGGGTGACCTCCGGCCG
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 ATTTACTTGCAAAAACCGCAAAGCCAGTCTGCCTACTGAGTGGGCACTGTGTGGGGAGCGGGAGGAC
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 CATCTGGCTGTGCAACACGGCTCTTTGAAGCCTTGGAGGTGGGAGCTGTGCCTGTTGTCTTGGGGAGCA
 GGTGCAGCTTCCGTACCACGACATGCTACAATGGAATGAGGCCGCCCTAGTGGTGCCTCAAGCCTCGTGT
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 TTCTCTGGGAGACCTACTTCTCCACCGCTGACAGTATTTTAATACCGTGTGGCCATGATTAGGACTCG
 AATTGAGTCCCAGCTGCTCCATCCGGGAAGAGGTAGCAGCTGAGATCCCCATCGTTCAGGCAAGGCA
 GCTGGTACTGACCCCAACATGGCTGACAATGGGACCTGGACCTGGGGCCGTAGAGACAGAGCCGCCCT
 ATGCCCTACCTAAATACCTCCGTAATTTCACTCTGACTGTCACTGACTGTTACCGCAGCTGGAACCTCCG
 ACCCGGACCTTTCCATCTTTTTCCACACACACCCTTTGACCCTGTGCTGCCCTCTGAGGCCAAATTCCTG
 GGCTCAGGACTGGATTTTCGGCCATCCGGTGGTGGGGCTGGGGGCTGGCAAGGAGTTCAGGCAAGCGC
 TTGGAGGCAATGTCCAGCGGGAGCAGTTCACAGTTGTGATGCTGACCTACGAGCGGGAGGAAGTGCAT
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 TTCCCTGGCCGGTACCATGCGTGGGACATCCCTCACCAGTCTGGCTCTACAACCTCAACTACTCCTGTG
 AGCTGTCCATGGTGTGACGGGTGCTGCCTTCTTTCACAAGTATTACGCTACCTGTATTCTTATGTGAT
 GCCCAGGCCATCCGAGACATGGTGGATGAGTATATCAACTGTGAGGATATCGCCATGAACCTTCTTGTG
 TCCCACATCACACGGAAGCCCCCATCAAGGTGACATCGAGGTGGACTTTTCGATGCCCGGGGTGCCCTC
 AGGCCCTGTCCCACGATGACTCTCACTTTCATGAGCGGCACAAGTGTATCAACTTTTTTGTCAAGGTGTA
 CGGCTATATGCCTCTCCTGTACACAGTTTAGGGTGGACTCTGTGCTCTCAAGACCCGCTGCCCAT
 GACAAGACCAAGTCTTCAAGTTTATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGAT AAGGTTTAA

Protein Sequence: >RR215456 representing NM_020097
 Red=Cloning site Green=Tags(s)

MTGYTMLRNGGVGNGGQTCMLRWSNRIRLTWLSFTLFIIIVFFPLIAHYLLTTLDEADEAGKRIFGPRAG
 NELCEVKHVLDLCRIRESVSEELLQLEAKRQELNSEIAKLNKIEACKKSIENAKQDLLQLKNVISQTEH
 SYKELMAQNQPKLSLPIRLLPEKDDAGLPPPKVTRGCR LHNCFDYSRCPLTSGFPVFVYDSQDFAGSYL
 DPLVKQAFQATVRANVYVTENAAIACL YVVLVGEIQEPAVLQPADLEKQLHSLPHWRTDGHNHVIINLSR
 KSDTQNLLYNVSTGRAMVAQSTFYAAQYRAGFDLVVSPLVHAMSEPNFMEIPPQVPVKRYLFTFQGEKI
 ESLRSSLQEARSFEEEMEGDPPADYDDRIIATLKAVQDSKLDQVLVEFTCKNQPKPSLPTEWALCGERED
 RLELLKLSLTFALIIITPGDPSLLISSGCATRLFEALEVGAVPVVLGEQVQLPYHDMQLWNEAALVVPKPRV
 TEVHFLRLSLSDDLAMRRQGRFLWETYFSTADSI FNTVLAMIRTRIQIPAAPIREEVAAEIPHRSGKA
 AGTDPNMADNGDLDPVETEPYASPKYLRNFTLTVTDCYRSWNSAPGPFHLFPHTPFDPVLPSEAKFL
 GSGTGFRPIGGGAGGSGKEFQAALGGNVQREQFTVVMLTYEREEVLMNSLERLNGLPYLNKVVVVWNSPK
 LPSEDLWPDIGVPIMVVRETEKNSLNNRFLPWNEIETEAILSIDDAHLRHDEIMFGFRVWREARDRIVG
 FPGRYHAWDIPHQSWLYNSNYSCELSMVLTGAFFHKYAYLYSYVMPQAIRDMVDEYINCEDIAMNFLV
 SHITRKPPIKVTSRWTFRCPCQPALSHDDSHFHERHKCINFFVKVYGYMPLLYTQFRVDSVLFKTRLPH
 DKTKCFKFI

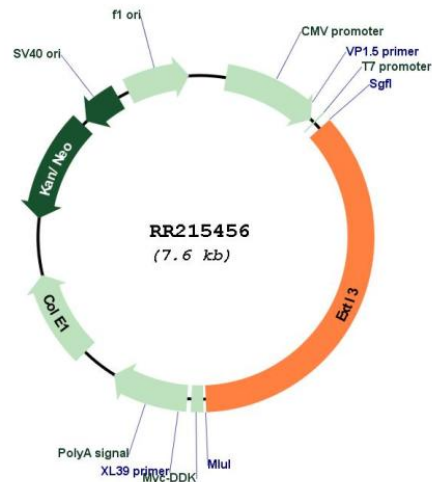
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_020097

ORF Size: 2757 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_020097.1](#), [NP_064482.1](#)

RefSeq Size: 3198 bp

RefSeq ORF: 2760 bp

Locus ID: 56819

Cytogenetics: 15p12-p11

MW: 104.4 kDa

Gene Summary: mediates a growth signal of Reg protein for beta-cell regeneration [RGD, Feb 2006]