

Product datasheet for **RN217161**

Ext1 (NM_001130540) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ext1 (NM_001130540) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ext1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN217161 representing NM_001130540
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGGCCAAAAACGCTATTTTCATCCTGCTCTCAGCTGGCTTGTCTCGCCCTTTTGTTTATTTTG
 GAGGCGTGCAGTTTAGGGCATCGAGGAGCCACAGCCGGAGAGAAGAGCACAGTGGTTCGGAATGGCTTGCA
 CCAACCCAGTCCGGATCATTCTGGCCCGCTTCCCGGACGCTCTGCGCCCTTCTTTCTTGGGATCAA
 TTGAAAAACGAGGATTCCAGCGTGCACATTTCCCCCGCAGAAGCGGGACGCCAACTCGAGCATCTACA
 AAGGCAAGAAGTCCGCATGGAGTCTGCTTCGATTTACCCCTTTGCAAGAAAAACGGCTTCAAAGTCTA
 CGTCTACCCGAGCAGAAAGGGGAGAAAATTGCCGAAAGTTACCAAAACATTCTAGCGGCCATCGAGGGC
 TCCAGTTCTACACCTCGGACCCAGCCAGGCGTGCCTTTTGCCTGAGTCTGGATACTTTAGACAGAG
 ACCAGTTATCACCTCAGTATGTGCACAATTTGAGATCCAAAGTGCAGAGTCTCCACTTGTGGAACAATGG
 TAGGAATCATTTAATTTTAAATTTATATTTCTGGCACTTGGCCTGACTACCCGAGGACGTGGGGTTTGAC
 ATCGGCCAGGCGATGCTGGCCAAAGCCAGCATCAGTACTGAAAACCTCCGACCAAATTTGATGTTTCTA
 TTCCCCTCTTTCTAAGGATCATCCCAGGACAGGAGGGGAGAGGGGGTTTTTGAATTTAACACCATCCC
 TCCCCTCAGGAAGTACATGCTGGTATTCAAGGGGAAGAGGTACCTGACAGGGATAGGGTCAGACACCAGG
 AATGCCTTATATCACGTCCATAACGGGGAGGACGTCTTGTCTCCTACCACCTGCAAGCATGGCAAAGACT
 GGCAAAAGCACAAGGATTCTCGTGTGACAGAGACAACACCGAGTATGAGAAATATGATTATCGGGAAAT
 GCTGCACAATGCCACTTCTGTCTGGTTCTCGTGGTTCGAGGCTTGGGTCCTCAGATTCTGGAGGCT
 TTGCAGGCTGCCTGTGTCCCTGTAATGCTCAGCAATGGATGGGAGTTGCCATTCTCCGAAGTGATAAATT
 GGAACCAAGCTGCCGTCATAGGCGATGAGAGATTGCTATTACAGATTCTTCTACAATCAGGTCTATTCA
 TCAGGATAAAATCCTAGCACTTAGACAGCAGACAGTTCCTTGTGGGAGGCTTATTTTTCTTCAGTTGAG
 AAGATTGTATTAACACTAGAGATTATTCAGGACAGAATATTCAAGCACATATCACGTAACAGTTTAA
 TATGGAACAAACATCCTGGAGGATTGTTGCTCCTACCACAGTATTCATCTACCTGGGAGATTTTCTTA
 CTACTATGCTAATTTAGGTCTAAAGCCCCCTCCAAATCACTGCAGTATCCATGCTGTGACCCCCCTG
 GTCTCTCAGTCCCAGCCAGTGTGAAGCTTCTTGTGGCAGCAGCCAAATCCAGTACTGTGCACAGATTA
 TAGTTCTGTGGAATTGTGACAAGCCTCTACCAGCCAAACACCGCTGGCCTGCCACTGCCGTGCCTGTCAT
 CGTCATTGAAGGAGAAAGCAAGTTATGAGCAGCCGTTTCTGCCCTATGACAACATCATCACTGATGCT
 GTGCTCAGCCTTGATGAGGACACTGTGCTTTCAACCACGGAAGTGGATTTTGCCTCACTGTATGGCAGA
 GCTTCCCAGGAGGATTGTGGGATATCCTGCACGAGCCATTTCTGGGATAACTCAAAGGAGCGATGGGG
 ATATACATCCAAGTGGACGAATGACTACTCCATGGTGTGACAGGAGCTGCTATCTACCACAAATATTAT
 CACTACCTGTATTTCCATTACCTGCCAGCCAGCCTGAAGAACATGGTAGACCAACTGGCCAACTGTGAGG
 ACATTCTCATGAATTTCTGGTGTCTGTGCTGTGACGAAAATTGCCTCCAATCAAAGTGACCCAGAAGAAACA
 GTATAAGGAGACAATGATGGGACAGACTTCCCAGCATCTCGTGGGCTGACCCTGACCCTTTGCCAG
 CGACAGAGCTGCATGAATACGTTTGCAGCTGGTTGGCTACATGCCGCTGATCCACTCTCAGATGAGGC
 TCGACCCGGTCTCTTTAAAGACCAAGTCTCAATCCTGAGGAAGAAATACAGAGACATTGAACGACTTTG
 A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001130540

Insert Size: 2241 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).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001130540.1</u> , <u>NP_001124012.1</u>
RefSeq Size:	3474 bp
RefSeq ORF:	2241 bp
Locus ID:	299907
Cytogenetics:	7q31