

Product datasheet for **MC211061**

Derl3 (NM_024440) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Derl3 (NM_024440) Mouse Untagged Clone
Tag: Tag Free
Symbol: Derl3
Synonyms: 1810006I20Rik; 1810063P04Rik; derlin-3; IZP6
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211061 representing NM_024440
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCTGGGCAGAGGCTGGCGGGGGCTTCTGCAGGTGCCCGGGTGACACGCGCCTACACCGCGGCT
GCGTCCTCACCACGGCCGAGTGCAGCTGGAGCTCCTCAGCCCTCCAGCTCTACTTCAACCCGACCT
GGTGTCCGGAAGTTCAGGTCTGGAGGCTCATCACCACCTTCTCTTCTCGGGCCCTGGGATTCGGC
TTCTTTTTCAACATGCTCTTCGTGTTCCGCTACTGCCGATGCTGGAGGAGGGTTCTTCCGTGGCCGCA
AGGCTGACTTCGTTTTATGTTTCTCTTCGGTGGTGTCTTATGACTCTGCTGGGATTCCTGGGCAGCCT
GTTTTCTGGACAGGCCCTCATGGCCATGCTGGTCTATGTATGGAGCCGTCGACGCCCTCACGTGAGG
GTCAACTTCTTCGGCTTACTCAACTCCAGGCACCATTCTGCCCTGGGCCCTCATGGGCTTCTCGCTGC
TGCTGGGCAACTCGTTGTACAGACCTGTAGGGATCCTGTGGGCCACATCTACTACTTCTAGAGA
CGTCTTTCCCAACCAGCCCGGAGGCAAGAGACTGCTGCTGACCCCGCGTGTGAAGCTGCTACTAGAT
GACCCTCAGGAAGACCCCGATTACCTGCCCTTCCCGAAGAGCAGCCAGAGCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_024440
Insert Size: 687 bp



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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).
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_024440.2 , NP_077760.1
RefSeq Size:	1336 bp
RefSeq ORF:	687 bp
Locus ID:	70377
UniProt ID:	Q9D8K3
Cytogenetics:	10 C1
Gene Summary:	Functional component of endoplasmic reticulum-associated degradation (ERAD) for misfolded luminal glycoproteins, but not that of misfolded nonglycoproteins. May act by forming a channel that allows the retrotranslocation of misfolded glycoproteins into the cytosol where they are ubiquitinated and degraded by the proteasome. May mediate the interaction between VCP and the misfolded glycoproteins. May be involved in endoplasmic reticulum stress-induced pre-emptive quality control, a mechanism that selectively attenuates the translocation of newly synthesized proteins into the endoplasmic reticulum and reroutes them to the cytosol for proteasomal degradation.[UniProtKB/Swiss-Prot Function]