

## Product datasheet for **MC200559**

### Derl2 (NM\_033562) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Derl2 (NM\_033562) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Derl2  
**Synonyms:** CGI-101; Derlin-2; F-lana; Flana  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC005682 sequence for NM\_033562  
GGAAAGATGGCGTACCAGAGCCTCCGGCTGGAGTACCTGCAGATCCC GCCGGTCAGCCGCGCTATACTA  
CCGCCTGCGTCCTCACCACCGCGCCGTGCAGTTGGAATTGATCACACCTTTTCAGTTACTTCAATCC  
TGAATTAATTTTTAAACATTTTCAAATCTGGAGGCTAATACCAATTTCTTATTTTTTGGTCCAGTTGGA  
TTCAATTTTTTTGTTAACATGATTTTTCTATACGTTATTGTGCAATGCTAGAAGAAGGCTCTTCCGAG  
GTCGGACAGCAGACTTTGTATTTATGTTCTTTTTGGTGGATTTTTAATGACTCTCTTGGTTTGTGT  
GAGCTTAGTTTTTTAGGCCAGGCCTTTACAATAATGCTGGTCTACGTGTGGAGCCGAAGGAACCCGTAT  
GTCCGCATGAACCTTTTGGTCTTCTAACTTCCAGGCCCTTCTGCCCTGGGTGCTCATGGGGTTTT  
CCCTGTTGCTGGGAACTCAATTATAGTGGACCTTTGGGTATTGCAGTTGGGCACATATATTTTTCTT  
GGAAGATATATTTCCAATCAGCCTGGTGAATAAGAATTCTGAAAACACCATCTATTTTGAGGACTATT  
TTTGATACGCCAGATGAGGATCCCAATTACAACCCACTACCTGAAGAGCGCCGGGAGGCTTCGCCTGGG  
GTGAGGGCCAGCGCCTTGGTGGTAAAGCAGCGGTGCCAATTACGAGACCCATCTGAGAAAGACTCAGTG  
ACATGTCCATGGGGTCTTTTATCCCTTGTGCAAAAGCGTGGACAGTTTTGACAGCTTGACAGATTTTT  
AACTCCAGAAGCACTTTACGGGATGGTACACTGACTAACATAGAAGACATTTCCAGGAGTTTGCCAGGGG  
TTCTCTACTATGCTGGTACTAAAAGTATAACCTCTTGGAGCCAAAACTGGAGACCCAGGCACCCTGCC  
GTGCCGTGAGCAAGTCCATGGGTACTTGAGCTCAGTGGCACAGGGCGGTGCTCCTCCTCTTTGATAG  
ACAAGGCCGTGGTAAATGGAAGTTACGGAGAGGACAAAATAAACTGAATTCATCTCTCACACTG  
TAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_033562  
**Insert Size:** 720 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">BC005682</a></u> , <u><a href="#">AAH05682</a></u>
<b>RefSeq Size:</b>	1137 bp
<b>RefSeq ORF:</b>	720 bp
<b>Locus ID:</b>	116891
<b>UniProt ID:</b>	<u><a href="#">Q8BNI4</a></u>
<b>Cytogenetics:</b>	11 43.21 cM
<b>Gene Summary:</b>	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 misfolded glycoproteins. May also 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] Transcript Variant: This variant (1) encodes the longest isoform (a).