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Product datasheet for MC226028

Derl2 (NM_001291146) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Derl2 (NM_001291146) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Derl2
Synonyms:	CGI-101; Derlin-2; F-lana; Flana
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC226028 representing NM_001291146 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGATTTTTCTATACCGTTATTGTCGAATGCTAGAAGAAGGCTCTTTCCGAGGTCGGACAGCAGACTTTG TATTTATGTTCCTTTTTGGTGGATTTTTAATGACTCTCTTTGGTTTGTTTGTGAGCTTAGTTTTTTTAGG CCAGGCCTTTACAATAATGCTGGTCTACGTGTGGAGCCGAAGGAACCCGTATGTCCGCATGAACTTCTTT GGTCTTCTAAACTTCCAGGCCCCCTTCCTGCCCTGGGTGCTCATGGGGTTTTCCCTGTTGCTGGGGAACT CAATTATAGTGGACCTTTTGGGTATTGCAGTTGGGCACATATATTTTTTCTTGGAAGATATATTTCCCAA TCAGCCTGGTGGAATAAGAATTCTGAAAACACCATCTATTTTGAGGACTATTTTTGATACGCCAGATGAG GATCCCAATTACAACCCACTACCTGAAGAGCGGCCGGGAGGCTTCGCCTGGGGTGAGGGCCAGCGCCTTG GTGGGTAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001291146
Insert Size:	498 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).

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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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001291146.1, NP_001278075.1
RefSeq Size:	3959 bp
RefSeq ORF:	498 bp
Locus ID:	116891
UniProt ID:	Q8BNI4
Cytogenetics:	11 43.21 cM
Gene Summary:	Functional component of endoplasmic reticulum-associated degradation (ERAD) for misfolded lumenal 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 (2) uses an alternate 5'-terminal exon, lacks part of the 5' coding region, and uses a downstream start codon, compared to variant 1. The encoded isoform (b) has a shorter N-terminus, compared to isoform a. Both variants 2 and 3 encode the same isoform.