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Product datasheet for RC200959L1V

DERL1 (NM_024295) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	DERL1 (NM_024295) Human Tagged ORF Clone Lentiviral Particle
Symbol:	DERL1
Synonyms:	DER-1; DER1; derlin-1
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_024295
ORF Size:	753 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200959).
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.
RefSeq:	NM_024295.3
RefSeq Size:	3344 bp
RefSeq ORF:	756 bp
Locus ID:	79139
UniProt ID:	Q9BUN8
Cytogenetics:	8q24.13
Domains:	DER1
Protein Families:	Druggable Genome, Transmembrane

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Protein Pathways: Amyotrophic lateral sclerosis (ALS)

MW: 28.8 kDa

Gene Summary: The protein encoded by this gene is a member of the derlin family. Members of this family participate in the ER-associated degradation response and retrotranslocate misfolded or unfolded proteins from the ER lumen to the cytosol for proteasomal degradation. This protein recognizes substrate in the ER and works in a complex to retrotranslocate it across the ER membrane into the cytosol. This protein may select cystic fibrosis transmembrane conductance regulator protein (CFTR) for degradation as well as unfolded proteins in Alzheimer's disease. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Aug 2012]