

## Product datasheet for **RC203370L3V**

### DEM1 (EXO5) (NM\_022774) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	DEM1 (EXO5) (NM_022774) Human Tagged ORF Clone Lentiviral Particle
Symbol:	DEM1
Synonyms:	C1orf176; DEM1; Exo V; hExo5
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_022774
ORF Size:	1119 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203370).
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. <a href="#">More info</a>
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:	<a href="#">NM_022774.1</a>
RefSeq Size:	2217 bp
RefSeq ORF:	1122 bp
Locus ID:	64789
UniProt ID:	<a href="#">Q9H790</a>
Cytogenetics:	1p34.2
MW:	41.9 kDa

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**Gene Summary:**

The protein encoded by this gene is a single-stranded DNA (ssDNA)-specific exonuclease that can slide along the DNA before cutting it. However, human replication protein A binds ssDNA and restricts sliding of the encoded protein, providing a 5'-directionality to the enzyme. This protein localizes to nuclear repair loci after DNA damage. [provided by RefSeq, Nov 2016]