

Product datasheet for **RC220201L4V**

Exonuclease 1 (EXO1) (NM_003686) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Exonuclease 1 (EXO1) (NM_003686) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Exonuclease 1
Synonyms:	HEX1; hExol
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_003686
ORF Size:	2409 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220201).
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_003686.4 , NP_003677.4
RefSeq Size:	3208 bp
RefSeq ORF:	2412 bp
Locus ID:	9156
UniProt ID:	Q9UQ84
Cytogenetics:	1q43
Domains:	HhH2, XPG_N, XPG_I
Protein Families:	Druggable Genome, Stem cell - Pluripotency



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Protein Pathways: Mismatch repair

MW: 89.2 kDa

Gene Summary: This gene encodes a protein with 5' to 3' exonuclease activity as well as an RNase H activity. It is similar to the *Saccharomyces cerevisiae* protein Exo1 which interacts with Msh2 and which is involved in mismatch repair and recombination. Alternative splicing of this gene results in three transcript variants encoding two different isoforms. [provided by RefSeq, Jul 2008]