

Product datasheet for **RC206838L2V**

NEI3 (NEIL3) (NM_018248) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	NEI3 (NEIL3) (NM_018248) Human Tagged ORF Clone Lentiviral Particle
Symbol:	NEI3
Synonyms:	FGP2; FPG2; hFPG2; hNEI3; NEI3; ZGRF3
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_018248
ORF Size:	1815 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC206838).
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_018248.1
RefSeq Size:	2402 bp
RefSeq ORF:	1818 bp
Locus ID:	55247
UniProt ID:	Q8TAT5
Cytogenetics:	4q34.3
Domains:	Fapy_DNA_glyco, zf-RanBP
Protein Families:	Druggable Genome



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Protein Pathways: Base excision repair

MW: 68 kDa

Gene Summary: NEIL3 belongs to a class of DNA glycosylases homologous to the bacterial Fpg/Nei family. These glycosylases initiate the first step in base excision repair by cleaving bases damaged by reactive oxygen species and introducing a DNA strand break via the associated lyase reaction (Bandaru et al., 2002 [PubMed 12509226]).[supplied by OMIM, Mar 2008]