

## Product datasheet for RC214546L3

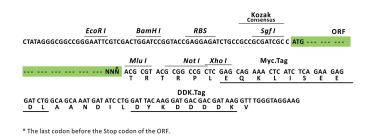
## NPL (NM\_030769) Human Tagged Lenti ORF Clone

## **Product data:**

## OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Expression Plasmids
NPL (NM_030769) Human Tagged Lenti ORF Clone
Myc-DDK
NPL
C1orf13; C112; NAL; NPL1
Puromycin
pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Chloramphenicol (34 ug/mL)
The ORF insert of this clone is exactly the same as(RC214546).
Sgfl-Mlul
Cloning sites used for ORF Shuttling:
Sgf1         ORF         Miu I            GCG ATC GC         ATG//         NNÑ         ACG CGT



ACCN: ORF Size: NM\_030769 960 bp



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<b>ORIGENE</b> NPL (N	IM_030769) Human Tagged Lenti ORF Clone – RC214546L3
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. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
RefSeq:	<u>NM 030769.1</u>
RefSeq Size:	2867 bp
RefSeq ORF:	963 bp
Locus ID:	80896
UniProt ID:	Q9BXD5
Cytogenetics:	1q25.3
Domains:	DHDPS
Protein Pathways:	Amino sugar and nucleotide sugar metabolism
MW:	35.2 kDa
Gene Summary:	This gene encodes a member of the N-acetylneuraminate lyase sub-family of (beta/alpha)(8)- barrel enzymes. N-acetylneuraminate lyases regulate cellular concentrations of N-acetyl- neuraminic acid (sialic acid) by mediating the reversible conversion of sialic acid into N- acetylmannosamine and pyruvate. A pseudogene of this gene is located on the short arm of chromosome 2. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2011]

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