

Product datasheet for **RC231265L4V**

NCF2 (NM_001190794) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	NCF2 (NM_001190794) Human Tagged ORF Clone Lentiviral Particle
Symbol:	NCF2
Synonyms:	NCF-2; NOXA2; P67-PHOX; P67PHOX
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001190794
ORF Size:	1443 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC231265).
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_001190794.1 , NP_001177723.1
RefSeq ORF:	1446 bp
Locus ID:	4688
UniProt ID:	P19878
Cytogenetics:	1q25.3
Protein Families:	Druggable Genome
Protein Pathways:	Leukocyte transendothelial migration
MW:	54.9 kDa



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Gene Summary:

This gene encodes neutrophil cytosolic factor 2, the 67-kilodalton cytosolic subunit of the multi-protein NADPH oxidase complex found in neutrophils. This oxidase produces a burst of superoxide which is delivered to the lumen of the neutrophil phagosome. Mutations in this gene, as well as in other NADPH oxidase subunits, can result in chronic granulomatous disease, a disease that causes recurrent infections by catalase-positive organisms. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jun 2010]