

Product datasheet for **RC209360L4V**

NAT2 (NM_000015) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	NAT2 (NM_000015) Human Tagged ORF Clone Lentiviral Particle
Symbol:	NAT2
Synonyms:	AAC2; NAT-2; PNAT
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000015
ORF Size:	870 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209360).
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_000015.2
RefSeq Size:	1317 bp
RefSeq ORF:	873 bp
Locus ID:	10
UniProt ID:	P11245
Cytogenetics:	8p22
Domains:	Acetyltransf2
Protein Families:	Transmembrane



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Protein Pathways: Caffeine metabolism, Drug metabolism - other enzymes, Metabolic pathways

MW: 33.5 kDa

Gene Summary: This gene encodes an enzyme that functions to both activate and deactivate arylamine and hydrazine drugs and carcinogens. Polymorphisms in this gene are responsible for the N-acetylation polymorphism in which human populations segregate into rapid, intermediate, and slow acetylator phenotypes. Polymorphisms in this gene are also associated with higher incidences of cancer and drug toxicity. A second polymorphic arylamine N-acetyltransferase gene (NAT1), is located near this gene (NAT2). [provided by RefSeq, Sep 2019]