

Product datasheet for **RC224235L4V**

PAOX (NM_207128) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PAOX (NM_207128) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PAOX
Synonyms:	PAO
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_207128
ORF Size:	1458 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC224235).
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_207128.1
RefSeq Size:	1720 bp
RefSeq ORF:	1461 bp
Locus ID:	196743
UniProt ID:	Q6QHF9
Cytogenetics:	10q26.3
Protein Families:	Druggable Genome
MW:	51.8 kDa


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Gene Summary:

Flavoenzyme which catalyzes the oxidation of N(1)-acetylspermine to spermidine and is thus involved in the polyamine back-conversion (PubMed:12477380). Can also oxidize N(1)-acetylspermidine to putrescine. Substrate specificity: N(1)-acetylspermine = N(1)-acetylspermidine > N(1),N(12)-diacetylspermine >> spermine. Does not oxidize spermidine. Plays an important role in the regulation of polyamine intracellular concentration and has the potential to act as a determinant of cellular sensitivity to the antitumor polyamine analogs (PubMed:12477380).[UniProtKB/Swiss-Prot Function]