

Product datasheet for **RC205583L2V**

ADO (NM_032804) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ADO (NM_032804) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ADO
Synonyms:	C10orf22
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_032804
ORF Size:	810 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205583).
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_032804.5 , NP_116193.2
RefSeq Size:	3739 bp
RefSeq ORF:	813 bp
Locus ID:	84890
UniProt ID:	Q96SZ5
Cytogenetics:	10q21.3
Protein Pathways:	Metabolic pathways, Taurine and hypotaurine metabolism
MW:	29.9 kDa



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Gene Summary:

Human thiol dioxygenases include cysteine dioxygenase (CDO; MIM 603943) and cysteamine (2-aminoethanethiol) dioxygenase (ADO; EC 1.13.11.19). CDO adds 2 oxygen atoms to free cysteine, whereas ADO adds 2 oxygen atoms to free cysteamine to form hypotaurine (Dominy et al., 2007 [PubMed 17581819]).[supplied by OMIM, Mar 2008]