Product datasheet for RC222594L4V

kynurenine 3 monooxygenase (KMO) (NM_003679) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	kynurenine 3 monooxygenase (KMO) (NM_003679) Human Tagged ORF Clone Lentiviral Particle
Symbol:	kynurenine 3 monooxygenase
Synonyms:	dJ317G22.1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_003679
ORF Size:	1458 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222594).
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_003679.2
RefSeq Size:	4992 bp
RefSeq ORF:	1461 bp
Locus ID:	8564
UniProt ID:	O15229
Cytogenetics:	1q43
Domains:	Monooxygenase

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Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Tryptophan metabolism
MW:	55.6 kDa
Gene Summary:	This gene encodes a mitochondrion outer membrane protein that catalyzes the hydroxylation of L-tryptophan metabolite, L-kynurenine, to form L-3-hydroxykynurenine. Studies in yeast identified this gene as a therapeutic target for Huntington disease. [provided by RefSeq, Oct 2011]