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Product datasheet for RC219389L1V

ME2 (NM_002396) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ME2 (NM_002396) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ME2
Synonyms:	ODS1
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_002396
ORF Size:	1752 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC219389).
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_002396.3
RefSeq Size:	2730 bp
RefSeq ORF:	1755 bp
Locus ID:	4200
UniProt ID:	P23368
Cytogenetics:	18q21.2
Domains:	malic
Protein Pathways:	Pyruvate metabolism

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MW: 65.44 kDa

Gene Summary: This gene encodes a mitochondrial NAD-dependent malic enzyme, a homotetrameric protein, that catalyzes the oxidative decarboxylation of malate to pyruvate. It had previously been weakly linked to a syndrome known as Friedreich ataxia that has since been shown to be the result of mutation in a completely different gene. Certain single-nucleotide polymorphism haplotypes of this gene have been shown to increase the risk for idiopathic generalized epilepsy. Alternatively spliced transcript variants encoding different isoforms found for this gene. [provided by RefSeq, Dec 2009]