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Product datasheet for RC203809L4V

Methionine Aminopeptidase 2 (METAP2) (NM_006838) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Methionine Aminopeptidase 2 (METAP2) (NM_006838) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Methionine Aminopeptidase 2
Synonyms:	MAP2; MNPEP; p67eIF2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_006838
ORF Size:	1434 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC203809).`
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_006838.3
RefSeq Size:	3506 bp
RefSeq ORF:	1437 bp
Locus ID:	10988
UniProt ID:	P50579
Cytogenetics:	12q22
Domains:	Peptidase_M24

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Protein Families:	Druggable Genome, Protease
MW:	52.7 kDa
Gene Summary:	The protein encoded by this gene is a member of the methionyl aminopeptidase family. The encoded protein functions both by protecting the alpha subunit of eukaryotic initiation factor 2 from inhibitory phosphorylation and by removing the amino-terminal methionine residue from nascent proteins. Increased expression of this gene is associated with various forms of cancer, and the anti-cancer drugs fumagillin and ovalicin inhibit the protein by irreversibly binding to its active site. Inhibitors of this gene have also been shown to be effective for the treatment of obesity. A pseudogene of this gene is located on chromosome 2. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2015]