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Product datasheet for RC222206L2V

HTRA2 (NM_145074) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	HTRA2 (NM_145074) Human Tagged ORF Clone Lentiviral Particle
Symbol:	HTRA2
Synonyms:	MGCA8; OMI; PARK13; PRSS25
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_145074
ORF Size:	1083 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC222206).`
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_145074.2, NP_659540.1
RefSeq Size:	2259 bp
RefSeq ORF:	1086 bp
Locus ID:	27429
UniProt ID:	O43464
Cytogenetics:	2p13.1
Domains:	PDZ
Protein Families:	Druggable Genome, Protease, Transmembrane

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Protein Pathways: Parkinson's disease

MW: 38.3 kDa

Gene Summary: This gene encodes a serine protease. The protein has been localized in the endoplasmic reticulum and interacts with an alternatively spliced form of mitogen-activated protein kinase 14. The protein has also been localized to the mitochondria with release to the cytosol following apoptotic stimulus. The protein is thought to induce apoptosis by binding the apoptosis inhibitory protein baculoviral IAP repeat-containing 4. Nuclear localization of this protein has also been observed. Alternate splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2016]