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Product datasheet for RC217592L3V

Caspase 10 (CASP10) (NM_001230) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Caspase 10 (CASP10) (NM_001230) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CASP10
Synonyms:	ALPS2; FLICE-2; FLICE2; MCH4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001230
ORF Size:	1437 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC217592).`
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_001230.3
RefSeq Size:	3651 bp
RefSeq ORF:	1440 bp
Locus ID:	843
UniProt ID:	Q92851
Cytogenetics:	2q33.1
Domains:	Peptidase_C14, DED, CASc
Protein Families:	Druggable Genome, Protease

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Protein Pathways: Apoptosis, RIG-I-like receptor signaling pathway

MW: 54.4 kDa

Gene Summary: This gene encodes a protein which is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein cleaves and activates caspases 3 and 7, and the protein itself is processed by caspase 8. Mutations in this gene are associated with type IIA autoimmune lymphoproliferative syndrome, non-Hodgkin lymphoma and gastric cancer. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Apr 2011]