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Product datasheet for RC206495L3V

Granzyme B (GZMB) (NM_004131) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Granzyme B (GZMB) (NM_004131) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Granzyme B
Synonyms:	C11; CCPI; CGL-1; CGL1; CSP-B; CSPB; CTLA1; CTSGL1; HLP; SECT
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_004131
ORF Size:	741 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC206495).`
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_004131.3
RefSeq Size:	941 bp
RefSeq ORF:	744 bp
Locus ID:	3002
UniProt ID:	P10144
Cytogenetics:	14q12
Domains:	Tryp_SPc
Protein Families:	Druggable Genome, Protease

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Protein Pathways: Allograft rejection, Autoimmune thyroid disease, Graft-versus-host disease, Natural killer cell mediated cytotoxicity, Type I diabetes mellitus

MW: 27.7 kDa

Gene Summary: This gene encodes a member of the granzyme subfamily of proteins, part of the peptidase S1 family of serine proteases. The encoded preproprotein is secreted by natural killer (NK) cells and cytotoxic T lymphocytes (CTLs) and proteolytically processed to generate the active protease, which induces target cell apoptosis. This protein also processes cytokines and degrades extracellular matrix proteins, and these roles are implicated in chronic inflammation and wound healing. Expression of this gene may be elevated in human patients with cardiac fibrosis. [provided by RefSeq, Sep 2016]