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Product datasheet for RC215291L3V

B7H3 (CD276) (NM_025240) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	B7H3 (CD276) (NM_025240) Human Tagged ORF Clone Lentiviral Particle
Symbol:	B7H3
Synonyms:	4Ig-B7-H3; B7-H3; B7H3; B7RP-2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_025240
ORF Size:	948 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC215291).`
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_025240.2, NP_079516.1
RefSeq Size:	2765 bp
RefSeq ORF:	951 bp
Locus ID:	80381
UniProt ID:	Q5ZPR3
Cytogenetics:	15q24.1
Domains:	ig, IGc2, IG
Protein Families:	Druggable Genome, Transmembrane

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Protein Pathways: Cell adhesion molecules (CAMs)

MW: 33.6 kDa

Gene Summary: The protein encoded by this gene belongs to the immunoglobulin superfamily, and thought to participate in the regulation of T-cell-mediated immune response. Studies show that while the transcript of this gene is ubiquitously expressed in normal tissues and solid tumors, the protein is preferentially expressed only in tumor tissues. Additionally, it was observed that the 3' UTR of this transcript contains a target site for miR29 microRNA, and there is an inverse correlation between the expression of this protein and miR29 levels, suggesting regulation of expression of this gene product by miR29. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]