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Product datasheet for RC206095L1V

DUSP19 (NM_080876) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	DUSP19 (NM_080876) Human Tagged ORF Clone Lentiviral Particle
Symbol:	DUSP19
Synonyms:	DUSP17; LMWDSP3; SKRP1; TS-DSP1
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_080876
ORF Size:	651 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC206095).`
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_080876.2
RefSeq Size:	5379 bp
RefSeq ORF:	654 bp
Locus ID:	142679
UniProt ID:	Q8WTR2
Cytogenetics:	2q32.1
Protein Families:	Druggable Genome, Phosphatase
MW:	24.2 kDa

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Gene Summary: Dual-specificity phosphatases (DUSPs) constitute a large heterogeneous subgroup of the type I cysteine-based protein-tyrosine phosphatase superfamily. DUSPs are characterized by their ability to dephosphorylate both tyrosine and serine/threonine residues. They have been implicated as major modulators of critical signaling pathways. DUSP19 contains a variation of the consensus DUSP C-terminal catalytic domain, with the last serine residue replaced by alanine, and lacks the N-terminal CH2 domain found in the MKP (mitogen-activated protein kinase phosphatase) class of DUSPs (see MIM 600714) (summary by Patterson et al., 2009 [PubMed 19228121]).[supplied by OMIM, Dec 2009]