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Product datasheet for RC206760L3V

DUSP10 (NM_007207) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	DUSP10 (NM_007207) Human Tagged ORF Clone Lentiviral Particle
Symbol:	DUSP10
Synonyms:	MKP-5; MKP5
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_007207
ORF Size:	1446 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC206760).
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_007207.3
RefSeq Size:	2680 bp
RefSeq ORF:	1449 bp
Locus ID:	11221
UniProt ID:	Q9Y6W6
Cytogenetics:	1q41
Domains:	DSPc, RHOD
Protein Families:	Druggable Genome, Phosphatase

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Protein Pathways: MAPK signaling pathway

MW: 52.6 kDa

Gene Summary: Dual specificity protein phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the MAP kinase superfamily, which is associated with cellular proliferation and differentiation. Different members of this family of dual specificity phosphatases show distinct substrate specificities for MAP kinases, different tissue distribution and subcellular localization, and different modes of expression induction by extracellular stimuli. This gene product binds to and inactivates p38 and SAPK/JNK. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2014]