

Product datasheet for MR231469

Sema6d (NM_001290997) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sema6d (NM_001290997) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Sema6d
Synonyms: 1110067B02Rik; AA409156; D330011G23; mKIAA1479
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR231469 representing NM_001290997
Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>MR231469 representing NM_001290997
 Red=Cloning site Green=Tags(s)

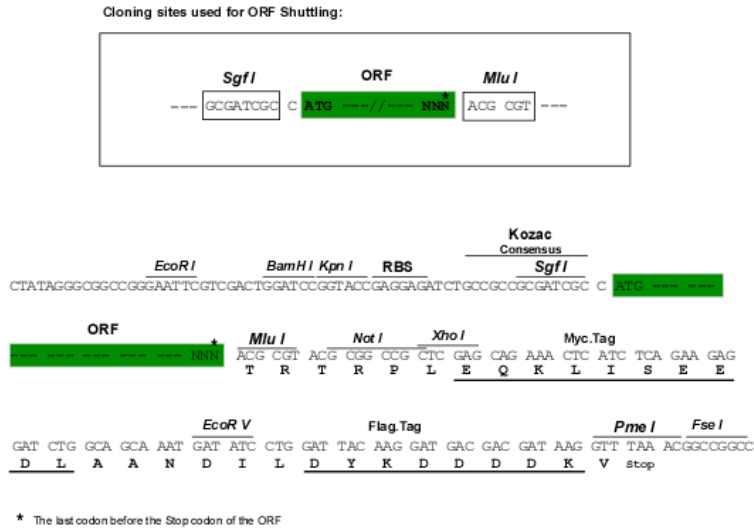
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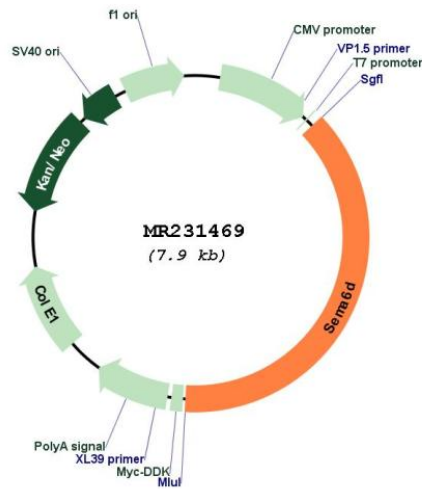
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001290997
ORF Size: 2994 bp

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.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001290997.1 , NP_001277926.1
RefSeq Size:	6178 bp
RefSeq ORF:	2997 bp
Locus ID:	214968
UniProt ID:	Q76KF0
Cytogenetics:	2 F1
MW:	112.2 kDa
Gene Summary:	Shows growth cone collapsing activity on dorsal root ganglion (DRG) neurons in vitro. May be a stop signal for the DRG neurons in their target areas, and possibly also for other neurons. May also be involved in the maintenance and remodeling of neuronal connections (By similarity).[UniProtKB/Swiss-Prot Function]