

## Product datasheet for **RG239914**

### SEMA6A (NM\_001300780) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SEMA6A (NM_001300780) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SEMA6A
Synonyms:	HT018; SEMA; SEMA6A1; SEMAQ; VIA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG239914 representing NM_001300780. Blue=ORF Red=Cloning site Green=Tag(s)

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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC

**Protein Sequence:**

>Peptide sequence encoded by RG239914  
 Blue=ORF Red=Cloning site Green=Tag(s)

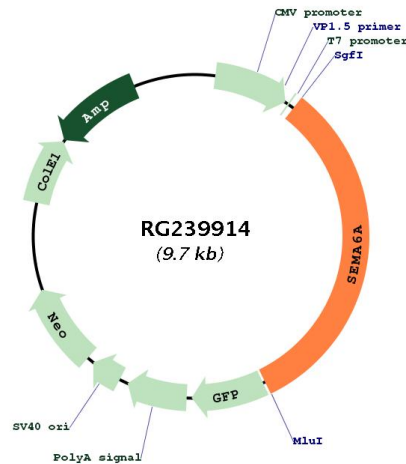
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**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001300780

**ORF Size:** 3141 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.

<b>Components:</b>	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).
<b>RefSeq:</b>	<u><a href="#">NM_001300780.2</a></u>
<b>RefSeq Size:</b>	7001 bp
<b>RefSeq ORF:</b>	3144 bp
<b>Locus ID:</b>	57556
<b>UniProt ID:</b>	<u><a href="#">Q9H2E6</a></u>
<b>Cytogenetics:</b>	5q23.1
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Axon guidance
<b>MW:</b>	116.8 kDa
<b>Gene Summary:</b>	The transmembrane semaphorin SEMA6A is expressed in developing neural tissue and is required for proper development of the thalamocortical projection (Leighton et al., 2001 [PubMed 11242070]).[supplied by OMIM, Feb 2011]