

Product datasheet for **RG208203**

NCAM2 (NM_004540) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NCAM2 (NM_004540) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NCAM2
Synonyms:	NCAM21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG208203 representing NM_004540
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGAGCCTCCTCCTCTCCTTCTACCTGCTGGGGTTGCTTGTCTAGTACGGGCAAGCTCTTCTTCAAGTGA
 CAATTTCACTTAGCAAAGTAGAGCTTAGTGTTGGAGAATCTAAATTTCTTACATGTACAGCGATTGGTGA
 ACCTGAAAGTATAGATTGGTATAATCCTCAAGGAGAGAAGATAATTTCAACACAGAGGGTAGTAGTGCAA
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

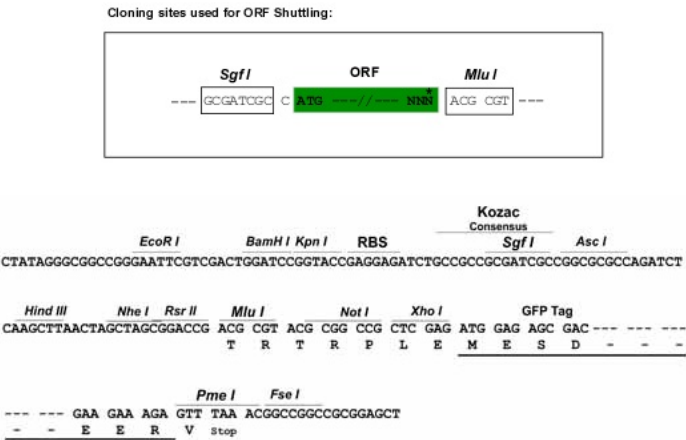
Protein Sequence: >RG208203 representing NM_004540
 Red=Cloning site Green=Tags(s)

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TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

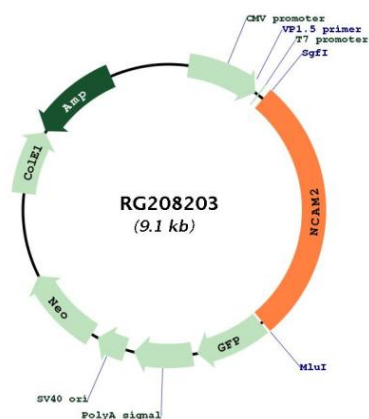


ACCN: NM_004540

ORF Size: 2511 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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:	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_004540.5
RefSeq Size:	3699 bp
RefSeq ORF:	2514 bp
Locus ID:	4685
UniProt ID:	O15394
Cytogenetics:	21q21.1
Domains:	ig, IGc2, IG, FN3
Protein Families:	Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs), Prion diseases
Gene Summary:	The protein encoded by this gene belongs to the immunoglobulin superfamily. It is a type I membrane protein and may function in selective fasciculation and zone-to-zone projection of the primary olfactory axons. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG208203