

Product datasheet for **MG200624**

Sncg (NM_011430) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Tag: TurboGFP

Symbol: Sncg

Synonyms: C79089; persyn

Mammalian Cell Selection: Neomycin

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG200624 representing NM_011430
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGACGTCTTCAAGAAAGGCTTCTCCATTGCCAAGGAAGGTGTTGTGGGTGCTGTAGAAAAGACCAAGC
AGGGAGTAACGGAGGCAGCTGAGAAGACCAAGGAGGGGTTATGTATGTGGCACCAAAACCAAGGAGAA
CGTGGTACAAAGTGTACCTCAGTGGCTGAGAAGACCAAGGAGCAGGCCAATGCCGTGAGTGAAGCTGTG
GTCAGCAGCGTCAACACAGTGGCCAACAAGACCGTGGAGGAGGCTGAAAACATCGTGGTCACCACCGGGG
TGGTGCACAAGGAGGACTTGAACCCCTGCACAGGACCAAGAAGCCAAGAGCAAGAGGAGAATGAAGA
GGCCAAGAGTGGAGAAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200624 representing NM_011430
Red=Cloning site Green=Tags(s)

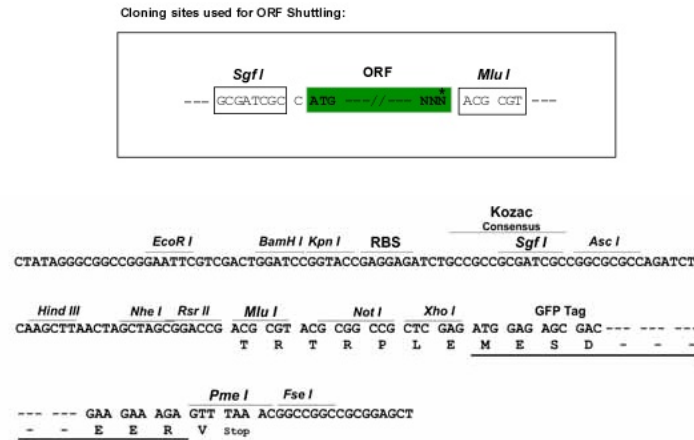
MDVFKKGFSAKEGVVGAVEKTKQGVTEAAEKTKEGVMYVGTGKTKENVVQSVTSVAEKTKEQANAVSEAV
VSSVNTVANKTVEEAENIVVTTGVVRKEDLEPPAQDQEAKEQEENEEAKSGED

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_011430

ORF Size: 369 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:**
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.

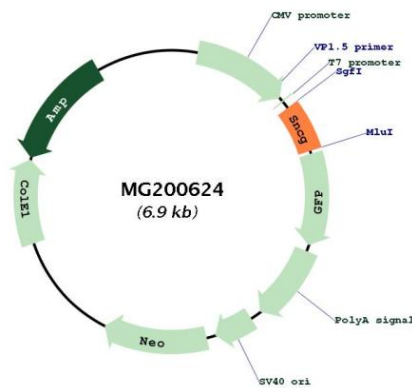
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq:	NM_011430.3
RefSeq Size:	727 bp
RefSeq ORF:	372 bp
Locus ID:	20618
UniProt ID:	Q9Z0F7

Cytogenetics: 14 20.81 cM

Gene Summary: Plays a role in neurofilament network integrity. May be involved in modulating axonal architecture during development and in the adult. In vitro, increases the susceptibility of neurofilament-H to calcium-dependent proteases. May also function in modulating the keratin network in skin. Activates the MAPK and Elk-1 signal transduction pathway (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG200624