

Product datasheet for **RG220999**

C9orf127 (TMEM8B) (NM_001042589) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C9orf127 (TMEM8B) (NM_001042589) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TMEM8B
Synonyms:	C9orf127; FP588; LINC00950; NAG-5; NAG5; NGX6; NGX6a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG220999 representing NM_001042589
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACATGCCCCAGTCCCTGGCAACCCAGCCACTGCCCCAGAACCGCCATCCCTTGGAAACCCTGCGG
 AGGGCCCTGGGACCACGTCCCCACCCGAGCACTGCTGGCCAGTGCGCCCACTCTGCGCAACGAGCTGGA
 CACCTTCTCTGTCCACTTCTACATCTTCTTTGGCCCAAGTGTGGCCCTTCCCCCTGAGCGCCAGCCGTG
 TTCGCCATGAGGCTGTTGCCAGTCTGGACAGTGGAGGCGTCTCAGCCTGGAGCTCCAGCTCAATGCGA
 GCTCCGTGCGCCAGGAAAACGTGACGGTGTGGATGCTTGACTCAGGAGTGCCTTGAGCCTGGGGGA
 TGCAGCAGTACCTGTTCCAAAGAGTCCCTGGCCGGCTTCTCCTCTCTGTGAGTCCACCAGGTT
 GCCAGGCTGCGAATCCATTCCCGCAGACGGGACCTGGTTCTGGCCCTCCGCTCCCTGTGCGGGTGG
 GGCTCGGTTCTGCGGTGCCGAACCGCAGCGCCGAGGTGCGGATGCGCACCTTCTGTCCCCATGCGT
 GGACACTGCGGGCCCTACGGCCAGTGAAGCTGCTGCGCACACAATTATCTGTACGCAGCCTGCGAG
 TGAAGGCCGGGTGGAGAGGCTGGGGCTGCACCGACAGTGCAGATGCGCTCACCTATGGATTCCAGCTGC
 TGCCACACTCCTGCTCTGCCTGAGCAACCTCATGTTTCTGCCACCTGTGGTCTGGCCATTGCGAGTCG
 ATATGTGCTGGAAGCTGCAGTCTACACCTTCCACATGTTCTTCTCCACGTTCTATCATGCCTGTGACCAG
 CCAGGCATCGTGGTTTTCTGCATCATGGACTACGATGTGCTGCAGTTCTGTGATTTCTGGGCTCCTTAA
 TGTCCGTGTTGGTCACTGTCAATGCCATGGCTCGTTTACAGCCCGTGGTCAAGCAGGTGCTGATTTGCT
 GGGAGCTATGCTGCTGTCCATGGCTCTGCAGCTTGACCGACATGGACTCTGGAACCTGCTGGACCCAGT
 CTCTTCGCCCTGGGGATCTTGGCCACAGCCTGGACAGTACGCAGCGTCCGCCCGCCGACACTGCTACCCAC
 CCAGTGGCGCCGCTGGCTTTTCTACTTGTGCCCTGGCAGCCTATTGCAGGCAGTCCGCTCCTGTTTA
 TGCTTTTGTGGAGACCCGGGACAACTACTTCTACATTACAGCATTGGCATATGCTCATTGCGGGCAGT
 GTGGGTTCTGCTGCCCCCTCGTGCCAAGACTGACCACGGGGTCCCATCTGGAGCCCGGGCCGGGGCT
 GTGTTACCAGCTATGCATCAACGAGCAGGAGGAGCTGGGCTCGTGGGCCAGGAGGGGCCACTGTGAG
 CAGCATCTGTGCCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG220999 representing NM_001042589
 Red=Cloning site Green=Tags(s)

MNMPQSLGNQPLPEPPSLGTPAEGPGTTSPEHCWPVRPTLRNELDTFSVHFYIFFGPSVALPPERPAV
 FAMRLLPVLDSGGVLSLELQLNASSVRQENVTVFGCLTHEVPLSLGDAAVTCSKESLAGFLLSVSATTRV
 ARLRIPFPQTGTWFLALRSLCGVGRFVRCRNATAEVRMRTFLSPCVDDCGPYGQCKLLRTHNYLYAACE
 CKAGWRGWGCTDSADALTYGFQLSTLLCLSNLMFLPPVLAIRSRYVLEAAVYFTMFFSTFYHACDQ
 PGI VVFCIMDYDVLQFCDFLGSLSVWVTVIAMARLQPVKQVLYLLGAMLLSMALQLDRHGLWNLLGPS
 LFALGILATAWTVRSVRRRHCPPTWRRWLFYLCPSGLIAGSAVLLYAFVETRDNYFYIHSIWHMLIAGS
 VGFLPPRAKTDHGVPSGARARGCYQLCINEQEELGLVPGGATVSSICAS

TRTRPLE - GFP Tag - V

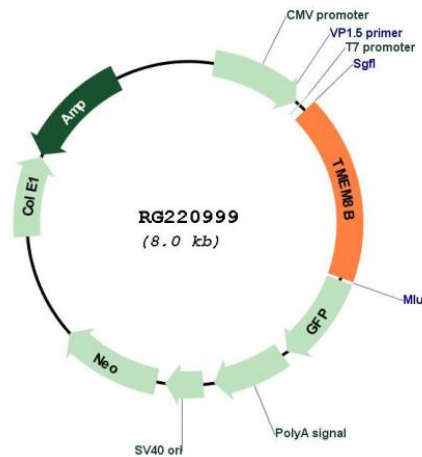
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001042589

ORF Size: 1416 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:	<u>NM_001042589.2</u> , <u>NP_001036054.1</u>
RefSeq Size:	3481 bp
RefSeq ORF:	1419 bp
Locus ID:	51754
UniProt ID:	<u>A6NDV4</u>
Cytogenetics:	9p13.3
Protein Families:	Transmembrane
Gene Summary:	May function as a regulator of the EGFR pathway. Probable tumor suppressor which may function in cell growth, proliferation and adhesion.[UniProtKB/Swiss-Prot Function]