

Product datasheet for **RG208427**

PROSER2 (NM_153256) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PROSER2 (NM_153256) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: PROSER2
Synonyms: C10orf47
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG208427 representing NM_153256
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGTAACCCACCGAAATCAGACGCATCTGACATGAACTCAGACACGTCCCCAGCTGCAGGCTCC
 GAGCCTTCAGCAGAGGGCGCAGCCTGGAGAGTCGAAGCAGCAGCTCTCGTCCAGAAGCTTCACTTTGGA
 TGATGAGAGCCTGAAGTACCTCACCCATGAGGAAAAGGATGTGCTCCTGTTTTTTGAAGAGACGATTGAC
 TCCCTAGACGAGGACTTTGAGGAGCCAGTGTGTGCGATGGAGGAGTGTGCTGCCTCTGCTCCCCGCTCTC
 TGGAGGAGAGCACCTCCAGTCCCTCCGAGCCTGAAGATGTCATCGACTTAGTGCAGCCAGCACCTGGCGC
 CGGGGAAGCCGAGGGCCTTCCAGAGGGGACCCAGGCAGCAGGGCCTGCACCTGTGGGAAGGAGCACAGG
 AAACAAGATGCTGAGACTCCTCCACCTCCAGACCCCCGGCTCCCGAGACCTTCTTGCGCCACCCACCC
 TGCCCTAGCACCCCGATCCCCCAGGAGGGAGCTGCGCGCCCCCTCCCCGCCGGTGGAGCACCCAGACT
 CCTGCGCTCTGTTCCACGCCCCCTGTTATGGCGCAGAAGATTTCCGAGAGGATGGCGGGGAACGAAGCC
 CTCTCGCCACCTCCCCGTTCCAGGAGGGCCGGCCGGGGAGTGGAGGACACCTGCCGCCGGGGGGCCCC
 GCAGTGGAGACCTGGCCCGGGGCCAGCCACCCGGCGCAGCCCAAGGCACCCCGCTTCCCAGCAACAT
 CATCGTACCAACGGCGCGGCCCGGGAGCCCCGAGACCCTGTCCAGGGCGGCCGTGAGCGTGCAGGAG
 CGCAGGGCGCAGGTGTTGGCCACCATCCACGGCCACGCCGGCCTTCCCCGCGGGGGAGCCCGGCC
 AGGGGGCCCCAGGGGGCGGCTCCTCCCCGAGCGGGTGGCGCTGGCCGGGCCCTGCCGGGCCCGCTGA
 GAGTCTCCGGGCAGGGGTCAGGCTCCGCGGGGCCGGCGCTGGCCAACGGCTTCCCAAGTGCACAGAG
 GCCCTGAAGAGCGCACCCAGCTCCTTCGCGCCCGCTGGGAAGTCCTCTGCTTCCGCCCTGGCCCGGCC
 TGCCAGCACGCGGGCCCGTCCAGAGCTTCCCCGGGCCCGGCAGCCCAACGGCGCCAGGACTGGCGCCG
 CGCAGACTCCCTGCCCGGCCCCAGGGCATCACCGTGCAGTTCGCGGGCCCGGGCTCCTCGGAGGAGGCG
 CGCAGGGAGGCCCTGCGGAAGCTGGGGTGTCTCAGGGAGATTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG208427 representing NM_153256
Red=Cloning site Green=Tags(s)

MPVTHRKSDASDMNSDTSPSCRLRAF SRGGSLESRSSSSRSRSTLDDESLKYLTHEEKDVLLFFEETID
 SLDEDFEEPVLC DGGVCCLCSPSLEESTSSPSEPEDVIDLVQPAPGAGEAEGLPEGTQAAGPAPAGKEHR
 KQDAETPPPPDPPAPETLLAPPLPSTPDP PPRREL RAPSPVVEHPRLRSVPTPLVMAQKISERMAGNEA
 LSPTSPFREGRPGEWRTPAARGPRSGDPGPGSPHQAQPKAPRFPNSIIIVTNGAAREPRRTL SRAAVSVQE
 RRAQVLATIIGHAGAFPAAGDAGEGAPGGSSPERVARGRGLPGPAESLRAGGQAPRGPALANGFSAHE
 ALKSAPSSFAPAGKSLCFRPGPALPSTARARQSFPGPRQPNGAQDWRRADSLPRPQGITVQFAGRGSSEEA
 RREALRKLGLLRESS

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_153256

ORF Size: 1305 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.

RefSeq: [NM_153256.4](#)

RefSeq Size: 3360 bp

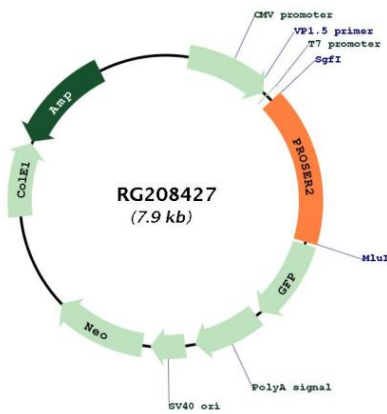
RefSeq ORF: 1308 bp

Locus ID: 254427

UniProt ID: [Q86WR7](#)

Cytogenetics: 10p14

Product images:



Circular map for RG208427