

Product datasheet for **MG224175**

Prokr1 (NM_021381) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prokr1 (NM_021381) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Prokr1
Synonyms:	EG-VEGFR1; Gpr73; Pkr1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG224175 representing NM_021381 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGACCCTGTCTGGGCTCTGGGTGAGAATACCACAGACACCTTCACCGACTTCTTTTCTGCACTCG
ATGGCCATGAAGCCAAACCGGCTCGTTACCATTCACTTTCAGCTACGGTACTATGACATGCCCTGGA
TGAAGAGGAAGATGTGACCAATTCTCGGACTTTCTTTGCTGCCAAGATTGTCATTGGCATGGCTTTGGT
GGTATCATGCTAGTGTGGCATCGCAACTTCATCTTTATCACTGCCCTGGCCCGTACAAAAAGCTCC
GCAACCTCACCACTGCTTATCGCAACCTGGCCATTCAGACTTCTCGTGGCCATCGTGTGCTGCC
CTTTGAGATGGACTACTATGTGGTGCAGGCTCTCTGGGAGCATGGTCATGTCCTGTGCGCCTCTGTC
AACTACTTGCGTACCGTCTCCCTCTACGCTCCACTAACGCCCTACTGGCCATTGCCATTGACAGGTATC
TGGCCATTGTGCACCCGCTGAGACCGCGGATGAAGTGTCAAACAGCCGCCGCGCTGATCTTCTGGTGTG
GTCAGTATCCATCCTCATCGCCATTCCAGCTGCCTACTTCACTGAGACCGTGTGGTATCGTGGAG
AGACAGGAGAAGATCTTCTGTGGTCACTGCGCCGGTGGATCAGCAGTTCTACTACAGGTCCTATTTCC
TTTTGGTTTTCGGCCTCGAGTTCGTGGGCCCTGTAGTCGCCATGACCTTGTGCTATGCCAGGGTGTCCCG
GGAGCTGTGGTTCAAGGCGGTGCCAGGCTTCCAGACAGAGCAGATCCCGCGGAGGCTGCGCTGCCGCCG
AGGACTGTGCTGGGCTCGTGTGCTCCTCTCTGCCTATGTGCTGTGCTGGGCTCCCTTCTATGGCTTCA
CTATCGTGCCTGACTTCTCCCTCCGTGTTTGTGAAGGAGAAGCACTACCTCACCGCCTTCTATGTGGT
GGAGTGCATCGCCATGAGCAACAGCATGATCAATACGCTCTGCTTTGTGACTGTCAGGAATAACACCACT
AAGTACCTCAAGAGGATCCTGCGCTTCAAGTGGAGGCGCTCTCCAGCGGAGCAAGGCCAGCGCTGACC
TCGACCTCAGGACCAGGGAATACCTGCCACCGAGGAGGTGGACTGCATCCGACTGAAA

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224175 representing NM_021381
 Red=Cloning site Green=Tags(s)

METTVGALGENTDFTDFFSALDGHEAQTGSLPFTFSYGDYDMPLDEEEDVNTSRTFFAAKIVIGMALV
 GIMLVCGIGNFIFITALARYKKLRNLNLLIANLAISDFLVAIVCCPFEMDYVVRQLSWEHGHVLCASV
 NYLRTVSLYVSTNALLAIAIDRYLAIVHPLRPRMKCQTAAGLIFLVSVSILIAIPAAYFTTETVLVIVE
 RQEKIFCGQIWPVDQQFYRYSYFLLVFGLEFVGPVVAMTLCYARVSRELWFKAVPGFQTEQIRRRRLRCRR
 RTVLGLVCVLSAYVLCWAPFYGFIVRDFPVSFVKEKHLYLTAFYVVECIAMSNMINTLCFVTVRNNTS
 KYLKRILRLQWRASPSGSKASADLDLRTTGIPATEEVDCIRLK

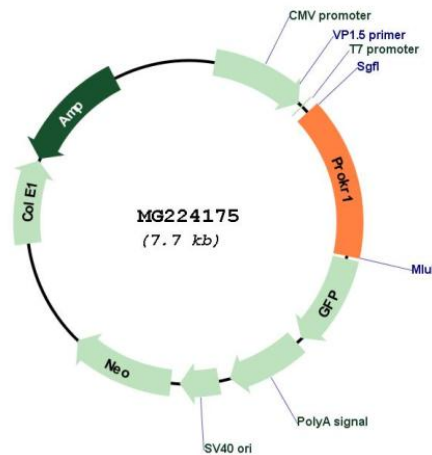
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_021381

ORF Size:	1179 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:	NM_021381.4
RefSeq Size:	4073 bp
RefSeq ORF:	1182 bp
Locus ID:	58182
UniProt ID:	Q9JKL1
Cytogenetics:	6 D1
Gene Summary:	Receptor for prokineticin 1. Exclusively coupled to the G(q) subclass of heteromeric G proteins. Activation leads to mobilization of calcium, stimulation of phosphoinositide turnover and activation of p44/p42 mitogen-activated protein kinase. May play a role during early pregnancy (By similarity).[UniProtKB/Swiss-Prot Function]