

Product datasheet for **RG223125**

PRAMEF20 (NM_001099852) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRAMEF20 (NM_001099852) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PRAMEF20
Synonyms:	PRAMEF21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG223125 representing NM_001099852
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCATCCGGACTCCACCCAGACTCCTGGAGCTGGCGGGCGGAGCCTGCTGAGGGACGAGGCCCTTGG
 CCATCTCCACCCTGGAGGAGCTGCCACGGAACTTTTCCCCATTGTTTCATGGAGGCCTTCAGCAGGAG
 ACACTGTGAGGCCTGAAGCTGATGGTGCAGGCCTGGCCTTTCCCTCCGCCTTCTCTGGGGTCTCTGATG
 AAAAGGCCTTGCCAGAGACCTTCAAGCTGTGCTCGATGGGCTTGATGCACTGCTTACCACAGGGTTC
 GTCTCAGGAGGTGAAACTTCAAGTGTGGATTTACAGGATGTCAGTGAGAACTTCTGGATGGTTTGGTC
 TGAAGCCATGGCCGTAGGTGCTTACCAAATGCCATGATGAACAGAAAACCAGTGCAGGACTGTCCAAGG
 ATGAGAGGACAGCAGCCCTTGACTGTGTTTCATAGACCTTTGCCTCAAGAACAGGACTCTGGATGAATACT
 TCACCTGCCTCTTCTATGGGTCAAGCAGAGGGAAGGTTTAGTACACCTGTGCTGTAAGAAGCTGAAAT
 GTTGGGAATGCTCTCCACAATATCAGAAACATCCTGAAAACAGTCAACCTAGACTGTATCCAGGAGGTG
 GAAGTGAATTGCAATTGGACACTGCCCGTCTGGCAGAGTTTACCCCATACCTCGCCAGATGAGGAATC
 TTCGGAAGCTCGTTCTCTGACATAGATTCTCGCTACATTTCCCGAGAGCAGAAGAAGGAGTTTGTAC
 CCAGTTCACCACTCAGTTCCTCAAGCTGCGCTGCCTCCAAAAGCTTTATATGAACTCTGTTTCTTTCCTC
 GAAGGCCACCTGGACCAGATGCTCAGCTGTCTAAAGACCTCGTTAAACATCCTCGCAATAACTAAGTGTG
 TGCTTTTGAATCAGACTTGAAGCATCTGTCCAAGTACCCGAGCATTGGTCAACTAAAGACCCTGGACCT
 GAGTGGCACCAGACTGGCCAATTCAGCCTTGTCGCGCTCCAAGTCTCCTAGAAAAAGTTGCAGCCACC
 CTTGAGTACCTGGACTTAGATGACTGTGGCATCGTAGACTCCCAAGTCAACGCCATCCTGCCTGCCCTGA
 GCCGCTGCTTTGAGCTCACCACTTCCAGCTTCCGTTGAAATCCCATCTCCACGGCCACCCTGGAGAACT
 GCTGTGCCACACAATCAGACTCAACAACCTTATGCCTGGAGCTGTATCCTGCCCGCGGGAGAGTTATGAT
 GTTCGTGGTATCGTCTGCCGGAGCAGATTTGCCAACTTGGGGCTGAGCTGATGGGGAGAGTGAGGGCCT
 TAAGGGAGCCCGAGAGGATCTTGTCTGTACCGACTACTGCCCTCAGTGTGGCAACAGGTCACTTTACGA
 CCTGGAGGTAGATCGGTGTTGCTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG223125 representing NM_001099852
 Red=Cloning site Green=Tags(s)

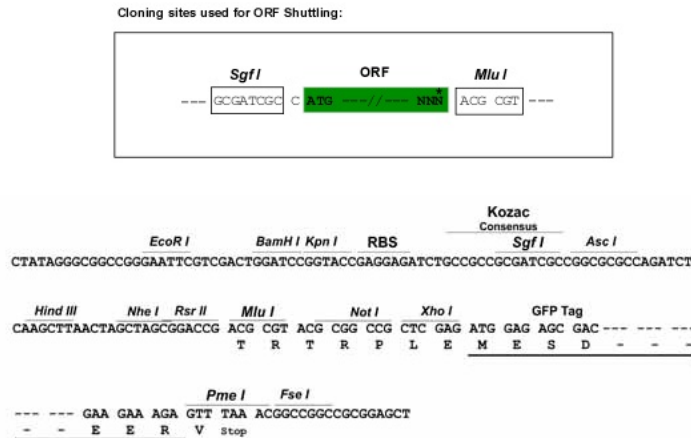
MSIRTPPRLLELAGRSLRDEALAISTLEELPTELPPLFMEAFSRRHCEALKLMVQAWPFLRLPLGSLM
 KRPCPETFQAVLDGLDALLTHRVRRLRRWKLQVLDLQDVSENFWMVWSEAMARRCLPNAMMNRKPVQDCPR
 MRGQQPLTVFIDLCLKNRTLDEYFTCLFLWVKQREGLVHLCKKLMKMLGMLFHNIRNLIKTVNLDCIQEV
 EVNCNWTLPVLAEFTPYLGQMRNLRKLVLSIDSRYSIPEQKKEFVTQFTTQFLKLRCLQKLYMNSVSFL
 EGHLDQMLSCLKTSLNILAITNCVLLESCLKHLSKYPSIGQLKTLDLSGTRLANFSLVPLQVLEKVAAT
 LEYLDLDDCGIVDSQVNAIIPALSRFELTTFSFRGNPISTATLENLLCHTIRLNNLCLELYPAPRESYD
 VRGIVCRSRFAQLGAELMGRVRALREPERILFCTDYCPQCGNRSLYDLEVDRECC

TRTRPLE - GFP Tag - V

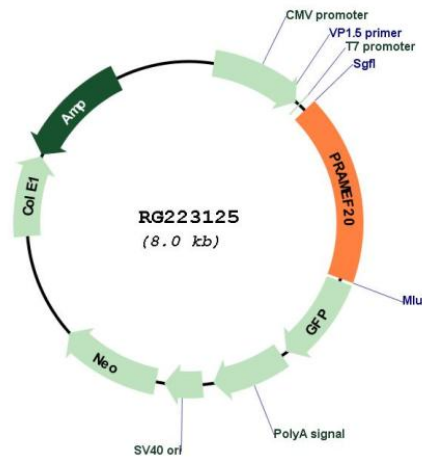
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001099852

ORF Size: 1425 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_001099852.1](#), [NP_001093322.1](#)

RefSeq Size: 1597 bp

RefSeq ORF: 1428 bp

Locus ID: 645425

UniProt ID: [Q5VT98](#)

Cytogenetics: 1p36.21