

Product datasheet for **RG206361**

PM20D2 (NM_001010853) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PM20D2 (NM_001010853) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PM20D2
Synonyms:	ACY1L2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206361 representing NM_001010853 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGCCCGGAGGGGAGCGGCCCGTGAAGGGGGCGCGTGCAATGGCCGCTCCGAGCTGGAGCTACTGA
AGCTGCGCTCGGCGGAGTGCATCGACGAGGCGGCCGAGCGGCTGGGGCCCTGAGCCGCGGATCTGGAG
CCAGCCCGAGCTGGCCTACGAGGAGCACCATGCCACCGCGTGCTGACGCACTTCTCGAGCGGGAGCCG
CCCGCGGCTCCTGGGCAGTGCAGCCGCACTACCAGCTGCCACGGCCTCCGCGCCGAGTGGGAGCCG
CGGAGGCCCGGACCGAGCGCCACGCCACGCCCGCTGCACCTGGGCTTCTCTGCGAGTACGACGCGCT
GCCCGGCATCGGCCACGCTGCGGCCACAACCTCATCGCTGAGGTCGGGGCGGGCCGCGCTGGGCGTG
AGGGGGGCTTAGAGGGCTCCCCAGGCCGCTCCGCCGTAAGGTAGTTGTCCTGGGAACCCCTGCAG
AAGAAGATGGTGGTGGCAAAATTGATTTAATTGAAGCAGGGGCTTTACAAATCTTGATGTTGTTTTAT
GGCCACCCATCACAAGAGAATGCTGCTTATCTACCAGATATGGCTGAACATGATGTGACTGTGAAATAC
TATGAAAAGCATCTCATTCTGCTTCTTATCCCTGGGAAGGATTAATGCATTAGATGCTGCTGTGCTGG
CCTATAACAATCTGTCTGTGTTTCAGACAGCAATGAAACCAACCTGGAGAGTTCATGGTATAATAAAAA
TGTTGGTGTAAAACCAATATCATTCCCTCTTATTCTGAATTAATCTATTACTCCGTGCACCCTCAATG
AAAGAACTCAAGTTTTGACCAAAAAGGCAGAAGATTGCTTCAGAGCTGCAGCTTTGGCTTCAGGGTGCA
CAGTGAAAATTAAGGTGGAGCACATGATTATTACAATGTTCTTCCAATAAGAGCCTATGGAAAAGCCTA
TATGAAAATGGAAGAAAGCTAGGAATAGAGTTCAATTCAGAAGATAAATGTTGAATGGCCCTCAGGA
TCTACGGATTTGGAAATGTTAGTTTTGTGGTTCCTGGAATTCATCCATATTTTACATTGGATCTAATG
CCTTGAATCATACTGAACAGTACACTGAAGCTGCTGGGTCACAGGAAGCTCAGTTCTACACTCTGCGGAC
GGCCAAAGCTCTGGCAATGACGGCACTGGATGTTATTTTTAAACCAGAGTTACTGGAAGGAATCAGAGAG
GACTTTAAACTGAACTCAAGAAGAACAGTTTGTAAATGCAGTAGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206361 representing NM_001010853
Red=Cloning site Green=Tags(s)

MRPGERPVVEGGACNRSLELLKLRSAECIDEAAERLGALSRAIWSQPELAYEEHHAHRVLTFFFEREP
 PAASWAVQPHYQLPTAFRAEWEPPEARAPSATPRPLHLGFLCEYDALPGIGHACGHNLIAEVGAAAALGV
 RGALEGLPRPPPPVKVVVLGTPAEEDGGKIDLIEAGAFNLDDVVFMAHPSQENAAAYLPDMAEHDVTVKY
 YGKASHASYPWEGLNALDAAVLAYNNLSVFRQQMKPTWRVHGIKNGGVKPNIIPSYSELIYYFRAPSM
 KELQVLTAKAEDCFRAAALASGCTVEIKGGAHDYYNVLPNKSLWKAYMENGRLGIEFISEDTMLNGPSG
 STDFGNVSFVVPGIHPYFHIGSNALNHTEQYTEAAGSQEAQFYTLRTAKALAMTALDVIFKPELLEGIRE
 DFKLKLQEEQFVNAVE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001010853

ORF Size: 1308 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_001010853.3](#)

RefSeq Size: 4708 bp

RefSeq ORF: 1311 bp

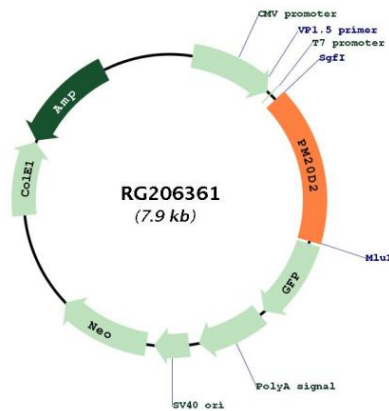
Locus ID: 135293

UniProt ID: [Q8IYS1](#)

Cytogenetics: 6q15

Protein Families: Protease

Product images:



Circular map for RG206361