

Product datasheet for **MG201877**

Perp (NM_022032) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Perp (NM_022032) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Perp
Synonyms: 1110017A08Rik; KCP1; KRTCAP1; PIGPC1; THW
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201877 representing NM_022032
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGCGCTGCGGCTGGCCTGCGAGCGCTGCAGGTGGATCCTGCCCTGCTGCTCAGCGCCATCG
 CCTTCGACATCATCGCGCTGGCCGGCCGTGGCTGGCTGCAGTCTAGCAACCACATCCAGACATCGTCGCT
 TTGGTGGAGGTGTTTCGACGAGGGCGCGGCAGCGGCTCCTACGACGATGGCTGCCAGAGCCTCATGGAG
 TACGCATGGGACGAGCAGCTGCGGCCACGCTCTTCTGTGGCTTATCATCCTGTGCATCTGCTTATTCT
 TCTCGTTCCTCGCCCTGTGTGGACCCAGATGCTTGTTCCTGAGAGTTATTGGAGGCCTCCTCGCACT
 GGCTGCCATATTCCAGATCATCTCCCTGGTAATCTACCCCGTGAAGTACACACAGACCTTCAGGCTTCAC
 GATAACCCCTGCTGTTAATTACATCTATAACTGGGCTATGGCTTCGGATGGGCGGCCACCATCATCTTGA
 TTGGTTGTTCTTCTTCTGTGCTGCCCACTACGAGGATGACCTTTGGGGCGGCCAAGCCAG
 GTACTTCTATCCCCAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201877 representing NM_022032
 Red=Cloning site Green=Tags(s)

MLRCGLACERCWILPLLLLSAIAFDIIALAGRWLQSSNHIQTSSLWWRFCFDEGGGSGSYDDGCQSLME
 YAWGRAAAATLFCGFIIICICFILSFFALCGPQMLVFLRVIGLLALAAIFQIISLVIYPVKYTQTFRLH
 DNPAVNYIYNWAYGFGWAATIIIGCSFFFCLPNYEDDLLGAAKPRYFYPPA

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:



ACCN: NM_022032

ORF Size: 579 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_022032.1](#), [NP_071315.1](#)

RefSeq Size: 1920 bp

RefSeq ORF: 582 bp

Locus ID: 64058

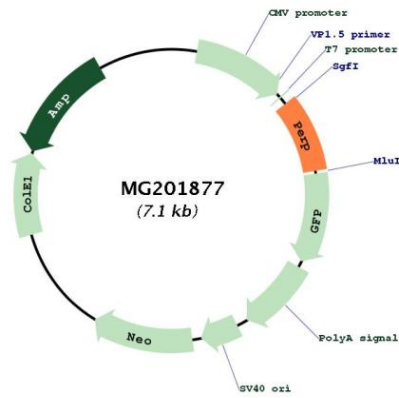
UniProt ID: [Q9JK95](#)

Cytogenetics: 10 A3

Gene Summary:

Component of intercellular desmosome junctions. Plays a role in stratified epithelial integrity and cell-cell adhesion by promoting desmosome assembly. Plays a role as an effector in the TP53-dependent apoptotic pathway.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG201877