

Product datasheet for **RG210984**

Otoraplin (OTOR) (NM_020157) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Otoraplin (OTOR) (NM_020157) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: Otoraplin
Synonyms: FDP; MIAL1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG210984 representing NM_020157
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAAGAATATTGTTACTTTCTCCCGGTCTTGTGGCTGTATGTGCTGTGCATGGAATATTTATGG
 ACCGTCTAGCTTCCAAGAAGCTCTGTGCAGATGATGAGTGTGTCTATACTATTTCTCTGGCTAGTGCTCA
 AGAAGATTATAATGCCCGGACTGTAGATTCATTAACGTTAAAAAGGGCAGCAGATCTATGTGACTCA
 AAGCTGGTAAAAGAAAATGGAGCTGGAGAATTTGGGCTGGCAGTGTATGGTGTATGGCCAGGACGAGA
 TGGGAGTCGTGGTTATTTCCCGAAGACTTGGTCAAGGAACAGCGTGTGTACCAGGAAGCTACCAAGGA
 AGTTCCACCACGGATATTGACTTCTTCTGCGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG210984 representing NM_020157
 Red=Cloning site Green=Tags(s)
 MARILLFLPGLVAVCAVHGIFMDRLASKKLCADDECYVYISLASAQEDYNAPDCRFINVKKGQQIYVYS
 KLVKENGAGEFWAGSVYGDGQDEMVGVFPRNLVKEQRYQEATKEVPTTDIDFFCE

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_020157

ORF Size: 384 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_020157.4](#)

RefSeq Size: 1477 bp

RefSeq ORF: 387 bp

Locus ID: 56914

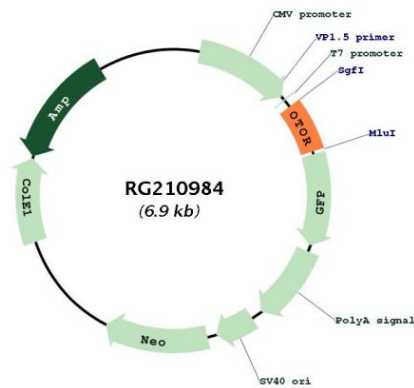
UniProt ID: [Q9NRC9](#)

Cytogenetics: 20p12.1

Protein Families: Secreted Protein, Transmembrane

Gene Summary: This gene encodes a member of the melanoma-inhibiting activity gene family. The encoded protein is secreted via the Golgi apparatus and may function in cartilage development and maintenance. A frequent polymorphism in the translation start codon of this gene can abolish translation and may be associated with forms of deafness. [provided by RefSeq, Jul 2013]

Product images:



Circular map for RG210984