

Product datasheet for **RG233887**

C10orf81 (PLEKHS1) (NM_001193435) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	C10orf81
Synonyms:	C10orf81; HEL185
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG233887 representing NM_001193435
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAATCTGTGCAGAAGATGTTTAAATGCCACCCTGATGAGGTCTGTCCATCAGAACCCTAACAGGG
AATACTTCCTCATTGGCCACGACAGGGAGAAGATTAAAGACTGGGTCTCCTTCATGTCATCTTCGCCA
GGATATAAAGCAACACAGCAGAACACAGAGGAGGAAGCTCTCATTGGGTAAATAAAGAACCTCTTCTAC
TCCAGCCCTCTCCTTGGCCCTTCCAGCACATCAGAGGCTGTTGGCTCCAGCTCACCAGAAATGGTCTCC
AAGACAAGCATTTAATGGAACAAAGTTCTCCAGGATTTAGGCAAACTCACCTACAAGATTTATCAGAAGC
CACTCAAGATGTGAAGGAAGAGAATCATTATCTTACTCCTCGAAGTGTTCTTTAGAGTTGGATAATATC
ATTGCTTCCAGTGATTCTGGTGAATCCATTGAACTGATGGTCCAGACCAGGTCTCTGGAAGAATTGAGT
GTCATTATGAGCCAATGGAATCCTATTTTTCAAAGAGACATCCCATGAGTCTGTGGATAGCAGCAAAGA
GGAACCCAGACCTTCCAGAGACCCAGGATGGGGACCTCCACCTGCAAGAACAAAGGCTCAGGAATTGAT
TGGTGTCTTTCCCTGCCGATGTGGAAGCAGACCCACAAATGACCAAAAGGGTAATATCCCGATGAAA
GCCAAGTGGAGAACTGAACGTTTTCTTTCTCCTCTGATGTCATCACTATCTTGCTCTCACAGAAGC
CACAGGACGGATATGTGTCTCAGTGGGAAGGCCCCACGTTTGGGATGCATATTTGCCACGGAGAT
CATCTTCTGGCAGTGAATGACCTGAAACCCAGAGCCTGGAGGAGGTCTCCCTGTTTCTTACCCGGTCCA
TCCAGAAGGAGAAATTAAGCTTACCATCGGCAGGATCCCAAATTCAGAGACATTCCATGCTGCATCCTG
TATGTGTCCCTCAAATGCCAAAGTCTGCACCTTCTCAGCTGGATAAGCCTAGACTGAACAGAGCTCCC
AAGAGGAGTCCGGCCATTAAAAAGAGCCAGCAGAAAGGAGCCAGGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



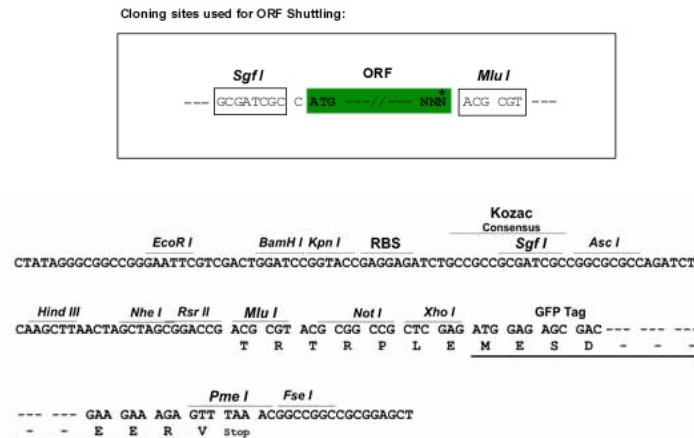
Protein Sequence: >RG233887 representing NM_001193435
 Red=Cloning site Green=Tags(s)

MQSVQKMFKCHPDEVMSIRTTNREYFLIGHDREKIKDWVSFMSFRQDIKATQQNTEEELSLGNKRTLFY
 SSPLLGPSSSTSEAVGSSSPRNLQDKHLEQSSPGFRQTHLQDLSEATQDVKEENHYLTTPRSVLLLELDNI
 IASSDSGESIETDGPQVSGRIECHYEPMESYFFKETSHESVDSSKEEPQLPETQDGLHLQEQQSGID
 WCLSPADVEAQTNDQKGNIPDESQVEKLNVLSPDPVINYALTEATGRICVSQWEGPPRLGCIFCHGD
 HLLAVNDLKPQSL EEVSLFLTRSIQKEKLKLTIGRIPNSETFHAASCMCP SKCQSAAPSQLDKPRLNRAP
 KRSPAIIKKSQQKGARE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001193435

ORF Size: 1098 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001193435.2](#)

RefSeq Size: 3263 bp

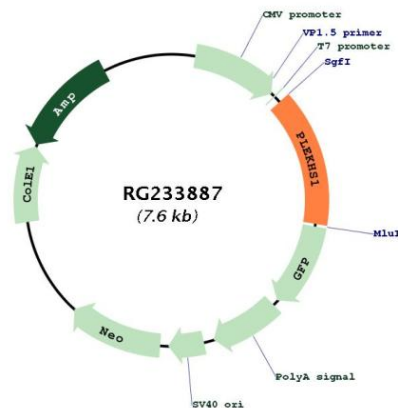
RefSeq ORF: 1101 bp

Locus ID: 79949

UniProt ID: [Q5SXH7](#)

Cytogenetics: 10q25.3

Product images:



Circular map for RG233887