

Product datasheet for **RC225557**

C6orf186 (METTL24) (NM_001123364) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	C6orf186
Synonyms:	C6orf186
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence: >RC225557 ORF sequence, **codon optimized**.
Due to the complexity of NM_001123364, the ORF clone is codon optimized for mammalian Expression.
The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGGCTCGAGAGAGGCCTCCGGGTAGGGCTGCGGAGTCTGAGGCGGTGCCTGTTGGGTGCTGTGCTCC
TCTTCGGCCTGAGATTGTGCGCTGAGCTGCGGAGAGCAGGGCCTGGCTCTCTACACGGTCAGCGCCCC
GGGGCCCGCCTGGCGACCTCCCGGCCCTCATCTCCCCCGCCCCCGGCCAGCCAGGGGCGCCAGCCGA
CGCCAAATTACATACGTCGGAGCGGCAGAAGAGCTCCCCAGGTGGCGGGGCGAGCGGAACCCCGAGC
CCGGTTGCTGTGCTCCCGCGGTAGGCCAAGGAGGAAGGGTCTAGGTGGCACATCGACCTCCAGCCCTG
GGCAGGCTCAGCCCAATCCCTGGATGAGGAGGCTGGCGCTTTTGGAGATACATCTCCACCACCCAGATT
GCCTGCAATCACATGAACACAGACTCTTGGAACCGACTCTAGCCCAACGCATAAACCTGGAGCGTGT
GTCTGGATGATAGGTTCAACCTGGCACACCAGATTAGAAATAACAATGTCGACTGTACAGCTTGGGATT
GGGAAGCGACGATACCCATTTTGAAGTATCTATGGCGAATAATGGCTGCGAAGTGCATCGCTTTGACCCA
AGTGTAATAATCAGCACATATCTGGAGAGCCAGCATCTGTGGTACCATAGGCTCTCAATAGACTGGCGCG
ACCCTCATCTGCCGTGGCCGCTCAGAAACCGCATTCCAATACTAGAAAGCTTGAAGTATCCTTAACGA
ATTTGGCCATCATAAGATCGACGTGTTGAAGGCAGACCTTGAGTCCGAGAGTGAAGGTCTTGAGAAT
CTTATTCTCGAGGATGTCTTGAACAGATTGGACAGTTGATTTTGAATTCATCTGCATTGCCAGGTT
TCGAAGTGAGCGGCTCTGATTATCAGTAGTGCGATTCTGGTACAGCCTTCTGAAGGAGCTGGAGCAGAA
AGACTTCAGGCTTTTCCATAGTTATAAGGATCTGTCCAACCCAGCTGTTTTGAAGAAGGATATCTTT
AATGCCTCCAGCTGTTATACTTTGTCTTGGTGAACACCGGTGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

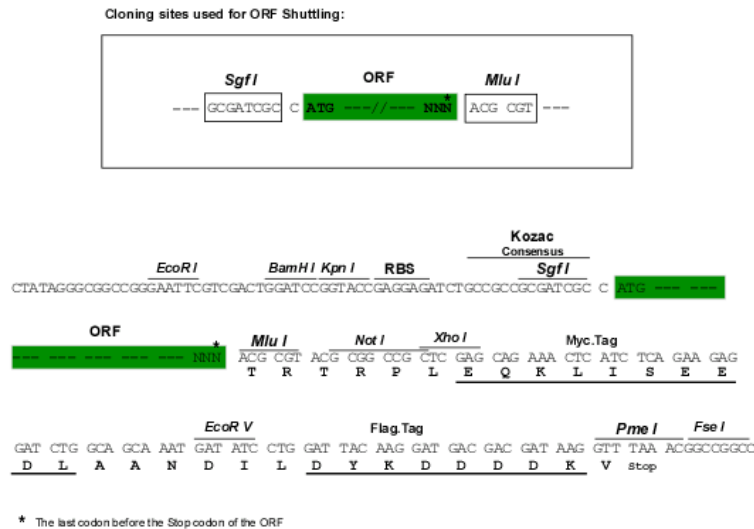
Protein Sequence: >RC225557 representing NM_001123364
Red=Cloning site Green=Tags(s)

MARERPPGRGCGVLRCLLGAVLLFGLRLCAELRRAGPGSPTRSAPPGPAPWRPPGPHLPPAPGQPRGASR
RQVTYVRSRRAPPGGGSGTPEPGCCAPRGRPRRKGPWWHIDLQPWAGSAQSLDEEAWRFLRYISTTQI
ACNHMNTDSLATDSSPTHKPSVCLDDRFNLAHQIRNKQCRLYSLGLGSDDTHEFVSMANNNGCEVHRFDP
SVKSAHILESQHLWYHRLSIDWRDPHVAQAQPHSNTRKLGSI NEFGHHKIDVLKADLESAEWKVLN
LILEDVLEQIGQLIFEIHLHWPGEVSGSDSSVRFWYSLLEQKDFRLFHSYKDL SKPQLFLKKDIF
NASSCYTLSWVNTRWK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001123364

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).

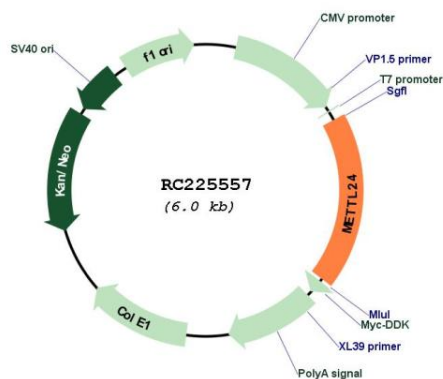
Reconstitution Method:

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_001123364.1](#), [NP_00116836.1](#)

RefSeq Size: 3152 bp
RefSeq ORF: 1101 bp
Locus ID: 728464
UniProt ID: [Q5JXM2](#)
Cytogenetics: 6q21
MW: 41.3 kDa

Product images:


Circular map for RC225557