

Product datasheet for **RR205326**

Them6 (NM_001007658) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Them6 (NM_001007658) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Them6
Synonyms: RGD1359378
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR205326 representing NM_001007658
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATGGAGCTGTTGGTGGTGTCTGTTATCCTTGGCGCTCGCCTTCTTTGCGCTGCTGGACGGCTGGTACT
 TGGTGCCTGCGCGTGTCCGTTCTGCGCGCACGCTTGTGCAGCCTCGGGTCCGCGACTTGTGGCGGA
 GCAGTTGTATGCCGGCCGGGTGCTGCCGTGGACCTGGACCTGCTGCTGCACATGAATAACGCGCGCTAC
 CTGCGCGAGGCGGATGTGGCACGCGCCGCGCACCTGACCCGCTGCGGTGTGCTGGGGCGCTGCGCGACC
 TGGGCGCGCACACGGTGTGGCCGCTCGTGGCGCGCTATCGCCGCTGCTGCGCCTGTTGAGCCGTT
 CGAAGTACACACGCGACTGCTAGGCTGGGACGACCGCCCTTCTACCTGGAGGCGCGCTTTGTCAGCCTT
 CGCGATGGTTTCTGTGCGCCTTCTGCGCTTCCGGCAGCACGTGCTGGGACCTCGCCGGATCGAGTAG
 TACAGCACTTGTGCAAGCGCAGGGTGGAGCCCCCTGAGCTGCCAGAAGACTTGAAGCATTGGATCACCTA
 CAATGAGACCAGCAGCCAGCTGCTCCGTGCTGAGAGTGGCCTCAGTGACAGAAAGGACCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR205326 representing NM_001007658
 Red=Cloning site Green=Tags(s)

MMELLVLSLALAFFALLDGWYLVRVPCAVLRARLLQPRVRDLLAEQLYAGRVLPDLDLLHMNNARY
 LREADVARAAHLTRCGVLGALRDLGAHTVLAASCARYRRSLRLEFPEFVHTRLLGWDDRAFYLEARFVSL
 RDGFVCALLRFRQHVLTSPDRVVQHLCKRRVEPPELPEDLKHWTYNETSSQLLRAESGLSDRKDQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001007658

ORF Size: 621 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_001007658.1](#), [NP_001007659.1](#)

RefSeq Size: 1567 bp

RefSeq ORF: 624 bp

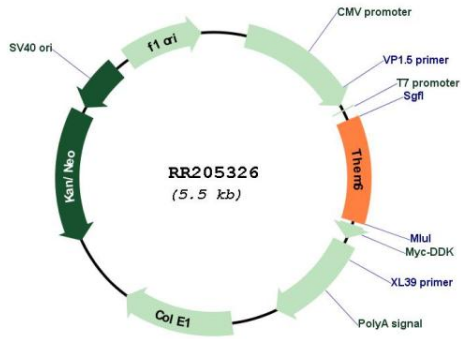
Locus ID: 300015

UniProt ID: [Q5XIE1](#)

Cytogenetics: 7q34

MW: 23.7 kDa

Product images:



Circular map for RR205326