

Product datasheet for MR228224

1110017D15Rik (NM_001253778) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: 1110017D15Rik (NM_001253778) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: 1110017D15Rik
Synonyms: Cbe1; Smrp1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228224 representing NM_001253778
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

**ATGGAGTCAGTTCGAGGAATGCCGTTGGAATATCCTCCTAAGCAGGAGCGCCTCAACGCCTACGAGCGCG
 AGGTAGTGGTGAACATGCTGAACCTCGCTGTCTCGGAACCGGACTCTGCCGAGATTGTACCCCGCTGTGG
 GTGCGTGGACCTCTCCGGGCGGATTGCCATACCAAGGATATGAAAGCCCTTGCTCCGGCCGCGACTAC
 TGTCTGCGCGGGATGGACTACTGCACCACCCGGGAGCCTAGCACAGAACGCCCTGCGGCTTTGTGCT
 CGCAGCAGCCGACTGTAAGGAGTGTGTCGCCCTTCGGTACCCGGCCAGGAATGCAATGTGCTGTTACAAC
 TCCCCCGCATCATTTTACCCGATCCCAACCTTAGATGGGACACAAGTCACTTCAAGAAGACTGGTGGT
 TCCAGAGAAACAATATGTAGTCCATCCTGAGTTTGTGCTGAGACCTGTCTGTCTACCCCTTC**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228224 representing NM_001253778
 Red=Cloning site Green=Tags(s)
 MESVRGMPLYPPKQERLNAYEREVVNMNLNSLSRNRTLQIVPRCGVDPLPGRLPYQGYESPCSGRHY
 CLRGM DYCTTREPSTERRLRPLCSQQPTVRSVSPFGHRPGMQCAVTPPPSFYYPNLRWDTSHFKKTTGG
 SQRNNYVVHPEFVSETCPVYPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

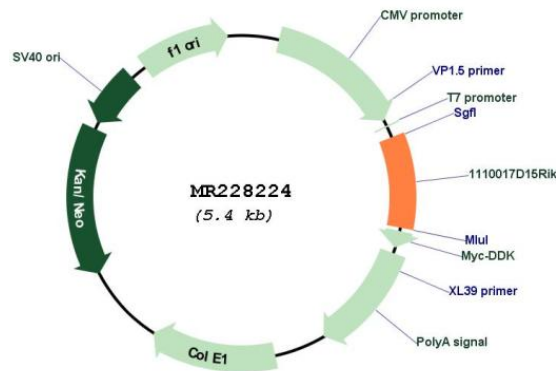
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_001253778

ORF Size: 486 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:	<ol style="list-style-type: none">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:	<u>NM_001253778.1, NP_001240707.1</u>
RefSeq Size:	726 bp
RefSeq ORF:	489 bp
Locus ID:	73721
UniProt ID:	<u>Q2MH31</u>
Cytogenetics:	4 A5
MW:	19 kDa
Gene Summary:	May be involved in differentiation or function of ciliated cells (By similarity). May play a role in spermatogenesis.[UniProtKB/Swiss-Prot Function]