

Product datasheet for RC223905

TMEM132D (NM_133448) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	TMEM132D
Synonyms:	MOLT; PPP1R153
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC223905 representing NM_133448
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
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ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC223905 representing NM_133448

Red=Cloning site Green=Tags(s)

MCPSEMGLTWHWSPVLISLAALFSKVTEGRGILESIRFSLPTYLPTYHINNADVFFLKEANQDIM
RNSSLQSRVESFLIYKSRRLPVLNASYGPFSIEQVVPQDLMLPSNPFGFTNKFSLNWKLKAHILRDKVYL
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LRELRLDNSVAIHYPKTVRKGDVLTFFVSI SRNSTEDRFTLRKVKKGVNIIIGVRASSPSIWDVKERTD
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MVISESCQKSKRKSVLAVGTANIKVKFGQNDANPNTSDSRHTGAGVHMENNVSRRPKKPSQEWGSQEQ
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KGLSDLEIGMYALLGVFCLAIVFLINCVTFALKYRHKQVPFEEQEGMSHSDWVGLSNRTELLENHINF
ASSQDEQITAI DRGMDFEESKYLLSTNSQKSINGQLFKPLGPIIIDGKDQKSEPPTSPTSKRKRVKFTTF
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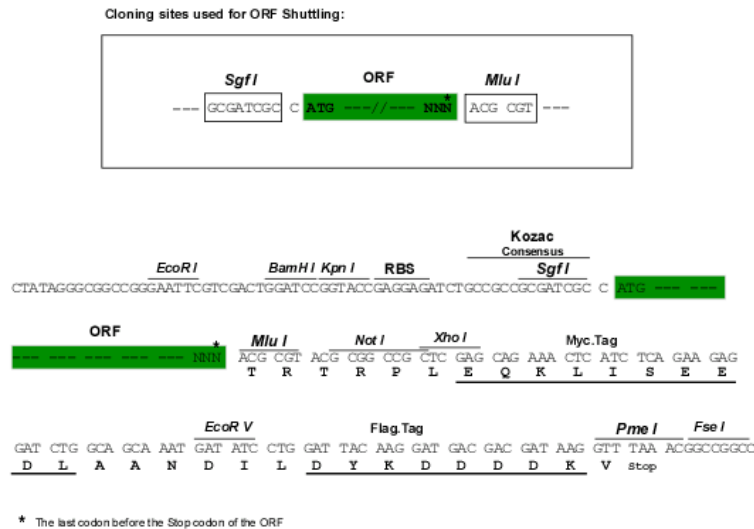
Chromatograms:

https://cdn.origene.com/chromatograms/mk6775_e06.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_133448

ORF Size: 3297 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).

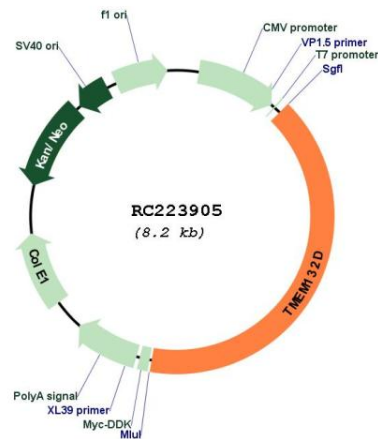
Reconstitution Method:

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_133448.3](#)

RefSeq Size:	5815 bp
RefSeq ORF:	3300 bp
Locus ID:	121256
UniProt ID:	Q14C87
Cytogenetics:	12q24.33
Protein Families:	Transmembrane
MW:	122.1 kDa
Gene Summary:	May serve as a cell-surface marker for oligodendrocyte differentiation.[UniProtKB/Swiss-Prot Function]

Product images:

Circular map for RC223905