

Product datasheet for **MC225412**

Tenm4 (NM_011858) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tenm4 (NM_011858) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tenm4
Synonyms: Doc4; ELM2; I(7)-3Rn; I7Rn3; mKIAA1302; Odz4; R75022; Ten-m4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225412 representing NM_011858
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGCCAGACCACTCGGCCCTGAGTGCGGCAAGGGCCCAATTCGTGGATGTGGAAGAGCGAGAGCCAG
AGGCCATGGACGTGAAGGAGAGGAAGCCCTATCGCTCGCTGACCCGGCGTCGCGATGCTGAGCGCCGCTA
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CCCATCTCAGTTTGACTTTGTGGAGCTCCTGGATGGAAGAAGGCTCCTAACCCAAGAGGCAAGGAGCCT
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 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_011858

Insert Size:	8391 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_011858.4, NP_035988.2</u>
RefSeq Size:	13186 bp
RefSeq ORF:	8391 bp
Locus ID:	23966
UniProt ID:	<u>Q3UHK6</u>
Cytogenetics:	7 52.53 cM
Gene Summary:	<p>Involved in neural development, regulating the establishment of proper connectivity within the nervous system. Plays a role in the establishment of the anterior-posterior axis during gastrulation. Regulates the differentiation and cellular process formation of oligodendrocytes and myelination of small-diameter axons in the central nervous system (CNS). Promotes activation of focal adhesion kinase. May function as a cellular signal transducer.</p> <p>[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and has multiple differences in the coding region but maintains the reading frame, compared to variant 1. It encodes isoform 2, which is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>