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Product datasheet for MC216032

Tmprss3 (NM_080727) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmprss3 (NM_080727) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tmprss3
Synonyms:	MGC130589
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

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Fully Sequenced ORF:

>MC216032 representing NM_080727
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGGAGAATGACCCTCCGGCAGCCGAAGCTCCCTTCTCCTTCCGGTCTCTCTTCGGCTTGGATGATT
TGAAAATAAGTCCTGTGGCACCAGATGGAGACGCAGTGGCTGCGCAGATCTTGTCCCTTCTGCCCTTGAA
GTTTTTTCCGATCATCGTCATTGGGATCATCGCCTTGATACTGGCGCTGGCCATCGGTCTGGGCATCCAC
TTCGACTGCTCTGGGAAGTACAGGTGCCATTCATCTTTCAAGTGTATTGAACTAACAGCTCGATGCGACG
GGGTCTCCGACTGCAAGAACGCAGAGGATGAGTACCGATGCGTGCGGGTGAGCGGCCAAAGAGCGGCGCT
CCAAGTGTTCACAGCTGCTGCGTGGAGGACCATGTGCTCCGATGACTGGAAAAGCCACTATGCCAAGATT
GCCTGTGCCCAGCTGGGGTTTCCCAGCTATGTGAGCTCAGACCACCTAAGAGTGGATGCGCTGGAGGAGC
AGTTCCAGGGCGACTTCGTGTCCATCAATCACCTCTTGTCAGATGACAAGGTGACGGCGTTACACCACTC
TGTGTACATGAGGGAAGGCTGCACCTCAGGCCACGTGGTCACCTTGAAGTGCTCAGCCTGTGGCACGAGA
ACGGGCTACAGTCCCCGAATTGTGGGTGGAAACATGTCCTCGCTCACTCAGTGGCCCTGGCAGGTCAGCC
TCCAGTTCCAGGGGTACCACCTATGTGGGGGCTCCATCATCACCCCTCTGTGGATCGTCACTGCGGCACA
CTGTGTTTATGACCTGTACCACCCCAAGTCCTGGACTGTCCAGGTGGGTCTTGTGTCCCTGATGGACAGT
CCTGTGCCCTCCCATCTGGTGGAGAAAATCATCTATCACAGCAAGTACAAGCCAAAGCGGCTGGGCAATG
ACATAGCCCTCATGAAGCTGTCCGAGCCACTCACCTTTGACGAGACCATCCAGCCCATCTGTCTGCCCAA
CTCTGAAGAGAACTTTCCCGATGGGAAACTGTGCTGGACCTCAGGATGGGGAGCCACAGAGGATGGAGGT
GACGCCTCCCCTGTCCTGAACCACGCGGCTGTCCCTTTAATTTCAAACAAGATCTGCAACCACAGGGACG
TGTATGGTGGTATCATCTCTCCCTCCATGCTCTGTGCAGGCTACCTGAAGGGCGGTGTGGACAGCTGCCA
GGGAGACAGTGGAGGACCCCTGGTGTGCCAGGAGAGGAGACTGTGGAAGTTAGTGGGTGCAACAAGTTTT
GGAATCGGCTGTGCTGAAGTGAACAAGCCTGGAGTCTATACGCGAATCACCTCCTTCCTGGACTGGATTC
ACGAACAGTTGGAGAGAGATCTGAAGACTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_080727

Insert Size: 1362 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:
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.

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RefSeq:	NM_080727.2, NP_542765.2
RefSeq Size:	2738 bp
RefSeq ORF:	1362 bp
Locus ID:	140765
UniProt ID:	Q8K1T0
Cytogenetics:	17 A3.3
Gene Summary:	Probable serine protease that plays a role in hearing. Acts as a permissive factor for cochlear hair cell survival and activation at the onset of hearing and is required for saccular hair cell survival. Activates ENaC (in vitro).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (2) is shorter at the N-terminus compared to isoform 1.

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