

Product datasheet for **SC330393**

TMPRSS3 (NM_001256317) Human Untagged Clone

Product data:

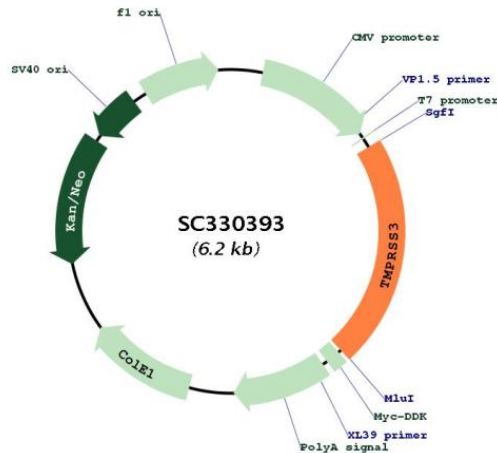
Product Type: Expression Plasmids
Product Name: TMPRSS3 (NM_001256317) Human Untagged Clone
Tag: Tag Free
Symbol: TMPRSS3
Synonyms: DFNB8; DFNB10; ECHOS1; TADG12
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330393 representing NM_001256317.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGGGGAAAATGATCCGCCTGCTGTTGAAGCCCCCTTCTCATTCCGATCGCTTTTTGGCCTTGATGAT
 TTGAAAATAAGTCCTGTTGCACCAGATGCAGATGCTGTTGCTGCACAGATCCTGCACTGCTGCCATTG
 AAGTTTTTCCAATCATCGTCATTGGGATCATTGCATTGATATTAGCACTGGCCATTGGTCTGGGCATC
 CACTTCGACTGCTCAGGGAAGTACAGATGTCGCTCATCCTTTAAGTGATCGAGCTGATAGCTCGATGT
 GACGGAGTCTCGGATTGCAAAGACGGGAGGACGAGTACCGCTGTGTCCGGGTGGGTGGTCAGAATGCC
 GTGCTCCAGGTGTTACAGCTGCTTCGTGGAAGACCATGTGCTCCGATGACTGGAAGGGTCACTACGCA
 AATGTTGCCTGTGCCAACTGGGTTTCCAAGCTATGTGAGTTCAGATAACCTCAGAGTGAGCTCGCTG
 GAGGGGAGTTCCGGGAGGAGTTTGTGTCCATCGATCACCTCTTGCCAGATGACAAGGTGACTGCATTA
 CACCACTCAGTATATGTGAGGGAGGGATGTGCCTCTGGCCACGTGGTTACCTTGCACTGCACAGCCTGT
 GGTATAGAAGGGGTACAGCTCACGCATCGTGGGTGAAACATGTCCTTGCTCTCGCAGTGGCCCTGG
 CAGGCCAGCCTTCAGTTCAGGGCTACCACCTGTGCGGGGCTCTGTATCACGCCCTGTGGATCATC
 ACTGCTGCACACTGTGTTTATGACTTGTACCTCCCAAGTCATGGACCATCCAGGTGGTCTAGTTTCC
 CTGTTGGACAATCCAGCCCCATCCCACTTGGTGGAGAAGATTGTCTACCACAGCAAGTACAAGCCAAAG
 AGGCTGGGCAATGACATCGCCCTTATGAAGCTGGCCGGGCACTCAGTTCAATGAAATGATCCAGCCT
 GTGTGCCTGCCAACTCTGAAGAGAACTTCCCGATGGAAGAGTGTGCTGGACGTCAGGATGGGGGGCC
 ACAGAGGATGGAGGTGACGCCTCCCTGTCTGAACCACGCGCCGTCCTTTGATTTCCAACAAGATC
 TGCAACCACAGGGACGTGTACGGTGGCATCATCTCCCCCTCCATGCTCTGCGCGGGCTACCTGACGGGT
 GGCGTGGACAGCTGCCAGGGGACAGCGGGGGCCCTGGTGTGTCAAGAGAGGAGGCTGTGGAAGTTA
 GTGGGAGCGACAGCTTTGGCATCGCTGCGCAGAGGTGAACAAGCCTGGGGTGTACACCCGTGTCACC
 TCCTTCTGGACTGGATCCACGACAGATGGAGAGAGACCTAAAAACCTGA

Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001256317

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.

RefSeq: [NM_001256317.1](#)

RefSeq Size: 2460 bp

RefSeq ORF: 1362 bp

Locus ID: 64699

UniProt ID: [P57727](#)

Cytogenetics: 21q22.3

Protein Families: Druggable Genome, Protease, Transmembrane

MW: 49.3 kDa

Gene Summary: This gene encodes a protein that belongs to the serine protease family. The encoded protein contains a serine protease domain, a transmembrane domain, an LDL receptor-like domain, and a scavenger receptor cysteine-rich domain. Serine proteases are known to be involved in a variety of biological processes, whose malfunction often leads to human diseases and disorders. This gene was identified by its association with both congenital and childhood onset autosomal recessive deafness. This gene is expressed in fetal cochlea and many other tissues, and is thought to be involved in the development and maintenance of the inner ear or the contents of the perilymph and endolymph. This gene was also identified as a tumor-associated gene that is overexpressed in ovarian tumors. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jan 2012]
Transcript Variant: This variant (F) uses an alternate in-frame splice site in the central coding region, compared to variant A, resulting in an isoform (4) that is 1 aa shorter than isoform 1.