

Product datasheet for **SC321163**

TMPRSS4 (NM_019894) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMPRSS4 (NM_019894) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMPRSS4
Synonyms:	CAP2; CAPH2; MT-SP2; TMPRSS3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_019894.2
 GAGAGGCAGCAGCTTGCTCAGCGGACAAGGATGCTGGGCGTGAGGGACCAAGGCCTGCC
 TGCACTCGGGCCTCCTCCAGCCAGTGCTGACCAGGGACTTCTGACCTGCTGGCCAGCCAG
 GACCTGTGTGGGGAGGCCCTCCTGCTGCCTTGGGGTGACAATCTCAGCTCCAGGCTACAG
 GGAGACCGGGAGGATCACAGAGCCAGCATGTTACAGGATCCTGACAGTGATCAACCTCTG
 AACAGCCTCGATGTCAAACCCCTGCGCAAACCCCGTATCCCCATGGAGACCTTCAGAAAG
 GTGGGGATCCCCATCATCATAGCACTACTGAGCCTGGCGAGTATCATCATTGTGGTTGTC
 CTATCAAGGTGATTCTGGATAAATACTACTTCTCTGCGGGCAGCCTCTCCACTTCATC
 CCGAGGAAGCAGCTGTGTGACGGAGAGCTGGACTGTCCCTTGGGGGAGGACGAGGAGCAC
 TGTGTCAAGAGCTTCCCCGAAGGGCCTGCAGTGGCAGTCCGCCTCTCAAGGACCGATCC
 ACACTGCAGGTGCTGGACTCGGCCACAGGGAAGTGGTTCTGCTGCTGTTTCGACAACTTC
 ACAGAAGCTCTCGCTGAGACAGCCTGTAGGCAGATGGGCTACAGCAGCAAACCCACTTTC
 AGAGCTGTGGAGATTGGCCAGACCAGGATCTGGATGTTGTTGAAATCACAGAAAACAGC
 CAGGAGCTTCGCATGCGGAACTCAAGTGGGCCCTGTCTCTCAGGCTCCCTGGTCTCCCTG
 CACTGTCTTGCCGTGGGAAAGAGCCTGAAGACCCCGTGTGGTGGTGGGGAGGAGGCC
 TCTGTGGATTCTTGGCCTTGGCAGGTGAGCATCCAGTACGACAAAACAGCAGCTGTGTGGA
 GGGAGCATCCTGGACCCCACTGGGTCCTCACGGCAGCCCACTGTTTCAGGAAACATACC
 GATGTGTTCAACTGGAAGGTGCGGGCAGGCTCAGACAACTGGGCAGTTCCTCCATCCCTG
 GCTGTGGCCAAGATCATCATATTGAATCAACCCCATGTACCCCAAAGACAATGACATC
 GCCCTCATGAAGTGCAGTTCCTCACTTTCTCAGGCACAGTCAGGCCCATCTGTCTG
 CCCTTCTTTGATGAGGAGCTCACTCCAGCCACCCCACTCTGGATCATTGGATGGGGCTTT
 ACGAAGCAGAATGGAGGGAAGATGTCTGACATACTGCTGCAGGCGTCAGTCCAGGTGATT
 GACAGCACACGGTGCAATGCAGACGATGCGTACCAGGGGAAGTACCCGAGAAGATGATG
 TGTGCAGGCATCCCGGAAGGGGGTGTGGACACCTGCCAGGGTGACAGTGGTGGGCCCTG
 ATGTACCAATCTGACCAGTGGCATGTGGTGGGCATCGTTAGCTGGGGCTATGGCTGCGGG
 GGCCCGAGCACCCAGGAGTATACACCAAGGTCTCAGCCTATCTCAACTGGATCTACAAT
 GTCTGGAAGGCTGAGCTGTAATGCTGCTGCCCTTTGCACTGCTGGGAGCCGCTTCTTTC
 CTGCCCTGCCACCTGGGGATCCCCAAAGTACAGACAGAGCAAGAGTCCCTTGGGTA
 CACCCCTCTGCCACAGCCTCAGCATTCTTGGAGCAGCAAAGGGCTCAATTCCTGTAA
 GAGACCCTCGCAGCCAGAGCGCCAGAGGAAGTACAGCAGCCCTAGCTCGGCCCACTT
 GGTGCTCCAGCATCCCAGGGAGAGACACAGCCCACTGAACAAGGTCTCAGGGGATTGTC
 TAAGCCAAGAAGGAATTTCCCACTACTGAATGGAAGCAGGCTGTCTTGTAAAAGCCC
 AGATCACTGTGGGCTGGAGAGGAGAAGGAAAGGGTCTGCGCCAGCCCTGTCCGTCTTAC
 CCATCCCCAAGCCTACTAGAGCAAGAAACCAGTTGTAATATAAAATGCACTGCCCTACTG
 TTGGTATGACTACCGTTACCTACTGTTGTCATTGTTATTACAGCTATGGCCACTATTATT
 AAAGAGCTGTGTAACATCAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_019894

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_019894.2](#), [NP_063947.1](#)

RefSeq Size: 2124 bp

RefSeq ORF: 1314 bp

Locus ID: 56649

UniProt ID: [Q9NRS4](#)

Cytogenetics: 11q23.3

Domains: SR, Tryp_SPc

Protein Families: Druggable Genome, Protease, Transmembrane

Gene Summary: This gene encodes a member of the serine protease family. 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 as a gene overexpressed in pancreatic carcinoma. The encoded protein is membrane bound with a N-terminal anchor sequence and a glycosylated extracellular region containing the serine protease domain. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). The splice acceptor site used for the first intron of this variant is polymorphic in the human population (rs2276122), and it is not known if this variant can be expressed from individuals with the 'A' allele. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.