

Product datasheet for **SC335122**

TMPRSS4 (NM_001290096) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMPRSS4 (NM_001290096) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMPRSS4
Synonyms:	CAP2; CAPH2; MT-SP2; TMPRSS3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001290096, the custom clone sequence may differ by one or more nucleotides

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ATGGGCTACAGCAGAGCTGTGGAGATTGGCCAGACCAGGATCTGGATGTTGTTGAAATCACAGAAAACA  
GCCAGGAGCTTCGCATGCGGAACTCAAGTGGGCCCTGTCTCTCAGGCTCCCTGGTCTCCCTGCACGTCT  
TGCCTGTGGGAAGAGCCTGAAGACCCCCGTGTGGTGGGTGGGGAGGAGGCCTCTGTGGATTCTTGGCCT  
TGGCAGGTCAGCATCCAGTACGACAAACAGCACGTCTGTGGAGGGAGCATCCTGGACCCCACTGGGTCC  
TCACGGCAGCCCACTGCTTCAGGAAACATACCGATGTGTTCAACTGGAAGGTGCGGGCAGGCTCAGACAA  
ACTGGGCAGTTCATCCCTCCCTGGCTGTGGCCAAGATCATCATCATTGAATCAACCCCATGTACCCCAA  
GACAATGACATCGCCCTCATGAAGCTGCAGTTCCTCACTACTTTCTCAGGCACAGTCAGGCCATCTGTC  
TGCCCTTCTTTGATGAGGAGCTCACTCCAGCCACCCCACTCTGGATCATTGGATGGGGCTTTACGAAGCA  
GAATGGAGGGAAGATGTCTGACATACTGCTGCAGGCGTCAGTCCAGGTCATTGACAGCACACGGTGAAT  
GCAGACGATGCGTACCAGGGGAAGTACCAGAGAAGATGATGTGTGCAGGCATCCCGAAGGGGGTGTGG  
ACACCTGCCAGGGTGACAGTGGTGGGCCCTGATGTACCAATCTGACCAGTGGCATGTGGTGGGCATCGT  
TAGTTGGGGCTATGGCTGCGGGGGCCGAGCACCCAGGAGTATACACCAAGGTCTCAGCCTATCTCAAC  
TGGATCTACAATGTCTGGAAGGCTGAGCTGTAA
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001290096
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).



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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_001290096.1, NP_001277025.1</u>
RefSeq Size:	3464 bp
RefSeq ORF:	873 bp
Locus ID:	56649
Cytogenetics:	11q23.3
Protein Families:	Druggable Genome, Protease, Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (7) uses alternate splice junctions at the ends of three different exons compared to variant 1. The resulting isoform (7) is shorter at the N-terminus and lacks a short internal segment compared to 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>