

Product datasheet for **SC328632**

TMPRSS4 (NM_001173552) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMPRSS4 (NM_001173552) 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:	>SC328632 representing NM_001173552. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGATCCTGACAGTGATCAACCTCTGAACAGCCTCGTCAAGGTGATTCTGGATAAACTACTTCTCTC
 TGCGGGCAGCCTCTCCACTTCATCCCGAGGAAGCAGCTGTGTGACGGAGAGCTGGACTGTCCCTTGGGG
 GAGGACGAGGAGCACTGTGTCAAGAGCTTCCCCGAAGGGCCTGCAGTGGCAGTCCGCCTCTCCAAGGAC
 CGATCCCACTGCAGGTGCTGGACTCGGCCACAGGGAAGTGGTCTCTGCCTGTTTCGACAACCTCACA
 GAAGCTCTCGCTGAGACAGCCTGTAGGCAGATGGGCTACAGCAGCAAACCACTTTCAGAGCTGTGGAG
 ATTGGCCAGACCAGGATCTGGATGTTGTTGAAATCACAGAAAACAGCCAGGAGCTTCGCATGCGGAAC
 TCAAGTGGGCCCTGTCTCTCAGGCTCCCTGGTCTCCCTGCACTGTCTTGCCTGTGGGAAGAGCCTGAAG
 ACCCCCCGTGTGGTGGGTGGGGAGGAGGCTCTGTGGATTCTTGGCCTTGGCAGGTGAGCATCCAGTAC
 GACAAACAGCACGTCTGTGGAGGGAGCATCCTGGACCCCACTGGGTCTTACGGCAGCCCACTGCCTTC
 AGGAAACATACCGATGTGTTCAACTGGAAGGTGCGGGCAGGCTCAGACAACTGGGCAGCTTCCCATCC
 CTGGCTGTGGCCAAGATCATCATTTGAATTAACCCCATGTACCCAAAGACAATGACATCGCCCTC
 ATGAAGCTGCAGTTCCTCACTTTCTCAGGCACAGTCAGGCCCATCTGTCTGCCCTTCTTTGATGAG
 GAGCTCACTCCAGCCACCCCACTCTGGATCATTGGATGGGGCTTTACGAAGCAGAATGGAGGAAGATG
 TCTGACATACTGCTCAGGCGTCAGTCCAGGTCATTGACAGCACACGGTCAATGCAGACGATGCGTAC
 CAGGGGGAAGTCACCGAGAAGATGATGTGTGACGGCATCCCGGAAGGGGTGTGGACACCTGCCAGGGT
 GACAGTGGTGGGCCCTGATGTACCAATCTGACAGTGGCATGTGGTGGGCATCGTTAGTTGGGGTAT
 GGCTGCGGGGGCCGAGCACCCAGGAGTATACCAAGGTCTCAGCCTATCTCAACTGGATCTACAAT
 GTCTGGAAGGCTGAGCT**TAA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites: SgfI-MluI


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ACCN:	NM_001173552
Insert Size:	1194 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).
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:	<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_001173552.1</u>
RefSeq Size:	3429 bp
RefSeq ORF:	1194 bp
Locus ID:	56649
UniProt ID:	<u>Q9NRS4</u>
Cytogenetics:	11q23.3
Protein Families:	Druggable Genome, Protease, Transmembrane
MW:	43.7 kDa

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 (5) uses an alternate in-frame splice site and lacks an alternate in-frame exon in the 5' coding region, compared to variant 1. The resulting isoform (5) lacks two internal segments, 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.