

Product datasheet for **SC307487**

PRSS42 (NM_182702) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	PRSS42
Synonyms:	TESSP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307487 representing NM_182702. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCCTCTGGCGCGGCTCCCGGGCCTCCTGGCGTGGCTTCTGCTCCTTCAGCCCTGGCCCGGGCAG
AACTGGGCGGGCATGGCGGCGCCACGCCTCCCGTCCCCTCTCCTCTCAGAGGAGGGCGGCGAGAACCCC
GAAGCGAGCCCGGCTCCAGGACCTGAAGCGGGCCCCCACTCAATCTGTTACGTCTTTCCAGGTGAC
TCACTGCTGTGTGGCCGAACCCCTCTGAGAATCGTGGGAGGAGTGACGCGGAGGAAGGGAGGTGGCCC
TGGCAGGTGAGCGTGAGGACCAAGGCAGGCACATCTGCGGCGGCACCCCTGGTCACCGCCACGTGGGTG
CTGACGGCAGGCCACTGCATTTCCAGCCGTTTCCATTACAGTGTCAAGATGGGAGATCGGAGTGTCTAT
AATGAAAACACAAGTGTGGTGGTCTCAGTCCAAAGAGCTTTTGTCCACCCTAAGTTCTCAACAGTTACA
ACCATTCGAAATGACCTTGCCCTTCTCCAGCTCCAACATCCTGTGAATTTACCTCAAACATCCAGCCT
ATCTGCATCCCTCAGGAGAATTTCCAGGTGGAAGGTAGGACCAGGTGCTGGGTGACCGGATGGGGCAAA
ACACCGAAGAGAGAACTTGCATCAGAAATTTTCAGGATGTGGACCAATACATCATGTGCTATGAG
GAATGTAATAAGATAATACAGAAGGCCTTGTCTACTAAGGATGTAATAATAAAGGGATGGTCTGT
GGCTATAAAGAACAAGGAAGGATTCTGTCAAGGAGATTCTGGGGCCGCTTGGCCTGTGAATATAAT
GACACATGGGTCCAGGTAGGATTGTGAGCTGGGCATCGGCTGTGGTGCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	SgfI-MluI
ACCN:	NM_182702
Insert Size:	882 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_182702.1
RefSeq Size:	882 bp
RefSeq ORF:	882 bp
Locus ID:	339906
UniProt ID:	Q7Z5A4
Cytogenetics:	3p21.31
MW:	32 kDa
Gene Summary:	This gene encodes a member of a cluster of testis-specific serine proteases. The orthologous mouse gene is expressed during meiosis in pachytene spermatocytes and is required for germ cell survival. This human locus is represented as a pseudogene because it contains an early stop codon that disrupts the trypsin domain, compared to the mouse ortholog. [provided by RefSeq, Jan 2019]