

Product datasheet for SC301276

LOC136242 (PRSS37) (NM_001008270) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LOC136242 (PRSS37) (NM_001008270) Human Untagged Clone
Tag:	Tag Free
Symbol:	LOC136242
Synonyms:	TRYX2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301276 representing NM_001008270. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGAAATATGTCTTCTATTTGGGTGCTCCTCGCTGGGACATTTTCTTTGCTGACTCATCTGTTTCAGAAA
 GAAGACCTGCTCCCTATTTGGTGTACCTCAAGTCTCACTTAACCCCTGTGTGGCGCTCCTCATCAAA
 CCCAGCTGGGTGCTGGCCCCAGCTCACTGCTATTTACCAAATCTGAAAGTGATGCTGGGAAATTTCAAG
 AGCAGAGTCAGAGACGGTACTGAACAGACAATTAACCCATTAGATCGTCCGCTACTGGAACACAGT
 CATAGCGCCCCACAGGATGACCTCATGCTCATCAAGCTGGCTAAGCCTGCCATGCTCAATCCCAAAGTC
 CAGCCCCCTTACCCTCGCCACCACCAATGTCAGGCCAGGCACTGTCTGTCTACTCTCAGGTTTGGACTGG
 AGCCAAGAAAACAGTGGCCGACACCCTGACTTGCAGGACAGCTGAGGCCCCCGTGATGCTGATCGA
 GAATGCCAAAAACAGAACAAAGGAAAAAGCCACAGGAATTCCTTATGTGTGAAATTTGTGAAAGTATTC
 AGCCGAATTTTGGGGAGGTGGCCGTTGCTACTGTCTGCTGCAAGACAAAGCTCCAGGGAATCGAGGTG
 GGGCACTTCATGGGAGGGGACGTCGGCATCTACACCAATGTTTACAAATATGTATCCTGGATTGAGAAC
 ACTGCTAAGGACAAGTGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001008270
Insert Size:	708 bp


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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:	<u>NM_001008270.2</u>
RefSeq Size:	1197 bp
RefSeq ORF:	708 bp
Locus ID:	136242
UniProt ID:	<u>A4D1T9</u>
Cytogenetics:	7q34
Protein Families:	Druggable Genome
MW:	26.4 kDa
Gene Summary:	Plays a role in male fertility (By similarity). May have a role in sperm migration or binding to zona-intact eggs (By similarity). Involved in the activation of the proacrosin/acrosin system (PubMed:27649891).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).