

Product datasheet for SC328372

LOC136242 (PRSS37) (NM_001171951) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LOC136242 (PRSS37) (NM_001171951) 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:	>SC328372 representing NM_001171951. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGAAATATGTCTTCTATTTGGGTGCTCCTCGCTGGGACATTTTCTTTGCTGACTCATCTGTTTCAGAAA
 GAAGACCTGCTCCCTATTTGGGTGACCTCAAGTCTCACTTAACCCCTGTGTGGGCGTCTCATCAAA
 CCCAGCTGGGTGCTGGCCCCAGCTCACTGCTATTTACCAATCTGAAAGTGATGCTGGGAAATTTCAAG
 AGCAGAGTCAGAGACGGTACTGAACAGACAATTAACCCATTAGATCGTCCGCTACTGGAACACAGT
 CATAGCGCCCCACAGGATGACCTCATGCTCATCAAGCTGGCTAAGCCTGCCATGCTCAATCCCAAAGTC
 CAGCCCCCTTACCCTCGCCACCACCAATGTCAGGCCAGGCACTGTCTGTCTACTCTCAGGTTTGGACTGG
 AGCCAAGAAAACAGCCGACACCCTGACTTGCGGCAGAACCTGGAGGCCCGGTGATGTCTGATCGAGAA
 TGCCAAAAAACAGAACAAAGGAAAAAGCCACAGGAATTCCTTATGTGTGAAATTTGTGAAAGTATTCAGC
 CGAATTTTGGGGAGGTGGCCGTTGCTACTGTCTGCAAGACAAGCTCCAGGGAATCGAGGTGGGG
 CACTTCATGGGAGGGGACGTGGCATCTACCAATGTTTACAAATATGTATCCTGGATTGAGAACAT
 GCTAAGGACAAGTGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001171951
Insert Size:	705 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_001171951.1</u>
RefSeq Size:	1194 bp
RefSeq ORF:	705 bp
Locus ID:	136242
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 (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.