

Product datasheet for **MC227468**

Acr (NM_001277247) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Acr (NM_001277247) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Acr
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Fully Sequenced ORF: >MC227468 representing NM_001277247
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTAGAGATGCTGCCAACTGTCGCTGTGCTGGTCTTGGCAGTGTCCGTGGTTGCCAAGGATAACACCA
 CGTGTGACCGCAGGTACCACGCCCTGTGGAGGCAGCCTCCTGAACTCCCACTGGGTGCTCACAGCTGCCCA
 CTGCTTCGATAACAAAAAAGTCTATGACTGGAGACTGGTTTTCGGAGCACAAGAAATCGAATATGGA
 AGAAACAAGCCAGTGAAGAGCCCCAGCAGGAGAGATATGTGCAGAAGATTGTCATCCATGAGAAATACA
 ACGTAGTGACGGAGGAAATGACATTGCGCTCTTGAAGATCACTCCTCCTGTTACATGTGGGAATTCAT
 TGGACCTGCTGTCTACCTCATTTTAAGGCGGGTCCCTCCCAAATACCCACACCTGCTACGTGACTGGG
 TGGGGATACATAAAGAGAAGGCCCCAGGCCATCACCTGTCCTGATGGAAGCACGTGTGGACCTCATTG
 ACCTCGACCTGTGTAACCAACCCAGTGGTACAATGGGCGTGTACATCGACTAATGTGTGTGCAGGGTA
 TCCTGAAGGCAAGATTGACACCTGCCAGGGGACAGTGGTGGGCCTCTCATGTGCAGAGACAACGTCGAC
 AGCCCTTTGTGGTGTGGGATCACGAGCTGGGGGTAGGCTGTGCCCGTGCTAAGCGTCCCGGAGTCT
 ACACAGCCACCTGGGACTACCTGGACTGGATTGCTTCCAAGATCGGCCCTAACGCCTTGCACTTGATTCA
 GCCAGCCACCCCTCATCCGCGACTACCGCCATCCGATGGTCTCTTTTACCCTCCTTCTCTTCGCCCT
 CCTTGGTATTTCCAACACCTGCCTTCTCGACCGCTTTACCTGCGACCACTACGGCCTCTGCTCCATCGGC
 CGTCTTCGACCCAAACCTCCTCATCACTCATGCCCTCCTCTCGCCCCAACCCAGCCAGCCTGCATC
 CTTTACCATTGCTACACAACACATGAGGCACCGCACACGCTGTCTTTGCTCGGCGTCTCCAGCGCCTC
 ATAGAGGCCCTGAAGATGAGAACTACCCTATGAAACATCCCTCCAGTACAGTGGACCAAGGAAGTACC
 ACTACCGCTTCTCCACGTTTGAGCCCTTTCCAACAAACCCAGCGAGCCCTTCTCCATTCT**GATGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001277247
Insert Size:	1185 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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001277247.1</u> , <u>NP_001264176.1</u>
RefSeq Size:	1378 bp
RefSeq ORF:	1185 bp
Locus ID:	11434
Cytogenetics:	15 44.96 cM
Gene Summary:	<p>Acrosin is the major protease of mammalian spermatozoa. It is a serine protease of trypsin-like cleavage specificity, it is synthesized in a zymogen form, proacrosin and stored in the acrosome.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (5) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. The resulting isoform (4) has the same N- and C-termini but is shorter 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>