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Product datasheet for MC227384

Acr (NM_001277245) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acr (NM_001277245) 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:	>MC227384 representing NM_001277245 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGTCAGCTTACAGATCTTCACGTCCCATAACAGCCGCAGGTACCACGCCTGTGGAGGCAGCCTCCTGA ACTCCCACTGGGTGCTCACAGCTGCCCACTGCTTCGATAACAAAAAAAAAGTCTATGACTGGAGACTGGT TTTCGGAGCACAAGAAATCGAATATGGAAGAAACAAGCCAGTGAAAGAGCCCCAGCAGGAGAGATATGTG CAGAAGATTGTCATCCATGAGAAATACAACGTAGTGACGGAGGGAAATGACATTGCGCTCTTGAAGATCA CTCCTCCTGTTACATGTGGGAACTTCATTGGACCCTGCTGTCTACCTCATTTTAAGGCGGGTCCTCCCCA AATACCCCACACCTGCTACGTGACTGGGTGGGGATACATAAAAGAGAAGGCCCCCAGGCCATCACCTGTC CTGATGGAAGCACGTGTGGACCTCATTGACCTCGACCTGTGTAACTCAACCCAGTGGTACAATGGGCGTG TCACATCGACTAATGTGTGTGCAGGGTATCCTGAAGGCAAGATTGACACCTGCCAGGGGGACAGTGGTGG GCCTCTCATGTGCAGAGACAACGTCGACAGCCCCTTTGTGGTCGTGGGGATCACGAGCTGGGGGGTAGGC TGTGCCCGTGCTAAGCGTCCCGGAGTCTACACAGCCACCTGGGACTACCTGGACTGGATTGCTTCCAAGA TCGGCCCTAACGCCTTGCACTTGATTCAGCCAGCCACCCCTCATCCGCCGACTACCCGCCATCCGATGGT CTCTTTTCACCCTCCTTCTCTTCGCCCTCCTTGGTATTTCCAACACCTGCCTTCTCGACCGCTTTACCTG CGACCACTACGGCCTCTGCTCCATCGGCCGTCTTCGACCCAAACCTCCTCATCACTCATGCCCCTCCTCT CGCCCCCAACCCCAGCCCAGCCTGCATCCTTTACCATTGCTACACAACACATGAGGCACCGCACAACGCT GTCTTTTGCTCGGCGTCTCCAGCGCCTCATAGAGGCCCTGAAGATGAGAACTTACCCTATGAAACATCCC TCCCAGTACAGTGGACCAAGGAACTACCACTACCGCTTCTCCACGTTTGAGCCCCTTTCCAACAAACCCA GCGAGCCCTTCCTCCATTCCTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI

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ACCN:	NM_001277245
Insert Size:	1143 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:	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:	NM_001277245.1, NP_001264174.1
RefSeq Size:	1567 bp
RefSeq ORF:	1143 bp
Locus ID:	11434
Cytogenetics:	15 44.96 cM
Gene Summary:	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] Transcript Variant: This variant (3) uses an alternate splice site in the 5' end, which results in the use of a downstream AUG translation initiation site, compared to variant 1. It encodes isoform 3, which is shorter at the N-terminus, compared to isoform 1. Variants 3 and 4 both encode the same isoform (3). 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.

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