

Product datasheet for MR229595

Acr (NM_001277245) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acr (NM_001277245) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Acr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR229595 representing NM_001277245 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCAGCTTACAGATCTTCACGTCCCATAACAGCCGAGGTACCACGCCTGTGGAGGCAGCCTCCTGA
ACTCCCCTGGGTGCTCACAGCTGCCACTGCTTCGATAACAAAAAAGTCTATGACTGGAGACTGGT
TTTCGGAGCACAAGAAATCGAATATGGAAGAAACAAGCCAGTGAAAGAGCCCCAGCAGGAGAGATATGTG
CAGAAGATTGTCATCCATGAGAAATACAACGTAGTGACGGAGGAAATGACATTGCGCTCTTGAAGATCA
CTCCTCCTGTTACATGTGGAACTTCATTGGACCCTGTGTCTACCTCATTTAAAGCGGGTCCCTCCCA
AATACCCACACCTGCTACGTGACTGGGTGGGATACATAAAAGAGAAGGCCCCAGGCCATCACCTGTG
CTGATGGAAGCACGTGTGGACCTCATTGACCTCGACCTGTGTAACCTCAACCCAGTGGTACAATGGCGTG
TCACATCGACTAATGTGTGTGCAGGGTATCCTGAAGGCAAGATTGACACCTGCCAGGGGGACAGTGGTGG
GCCTCTCATGTGCAGAGACAACGTGCAGACCCCTTTGTGGTCGTGGGATCACGAGCTGGGGGTAGGC
TGTGCCGTGCTAAGCGTCCCGGAGTCTACACAGCCACCTGGGACTACCTGGACTGGATTGCTTCCAAGA
TCGGCCCTAACGCCTTGCACTTGATTACGCCAGCCACCCCTCATCCGCCACTACCGCCATCCGATGGT
CTCTTTTACCCCTCCTTCTTCGCCCTCCTTGGTATTTCCAACACCTGCCTTCTCGACCCTTTACCTG
CGACCACTACGGCCTCTGCTCCATCGGCCGTCTCGACCCAAACCTCCTCATCACTCATGCCCTCCTCT
CGCCCCAACCCAGCCAGCCTGCATCCTTTACCATTGTACACAACACATGAGGCACCGCACAACGCT
GTCTTTTGCTCGGCGTCTCCAGCGCCTCATAGAGGCCCTGAAGATGAGAAGTACCTATGAAACATCCC
TCCCAGTACAGTGGACCAAGGAAGTACCACTACCGCTTCTCCACGTTTGAGCCCTTTCCAACAAACCCA
GCGAGCCCTTCTCCATTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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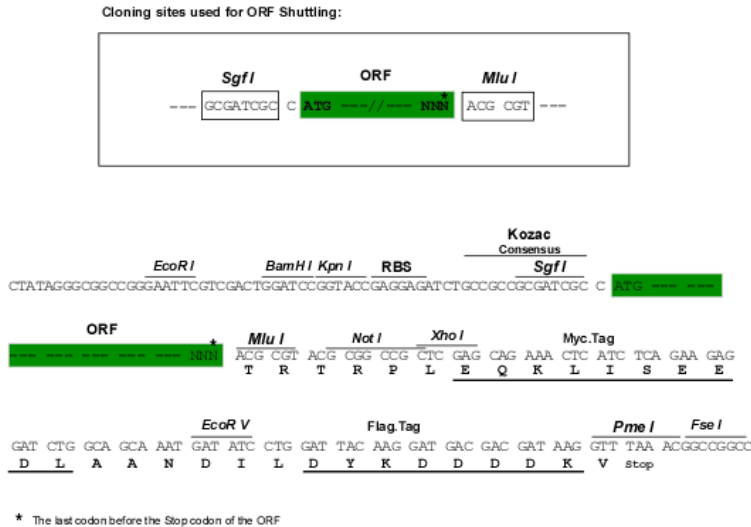
Protein Sequence: >MR229595 representing NM_001277245
Red=Cloning site Green=Tags(s)

MVSLQIFTSHNSRRYHACGGSLLSHWVLTAAHCFDNKKKVVYDWRLVFGAQEIEYGRNKPVKEPQQERYV
 QKIVIHEKYNVTEGNDIALLKITPPVTCGNFIGPCCLPHFKAGPPQIPHTCYVTGWGYIKEKAPRSPV
 LMEARVDLIDLDCNSTQWYNGRVTSTNVCAGYPEGKIDTCQGDSSGGPLMCRDNVDSPFVVVGITSWGVG
 CARAKRPGVYATWYDLDWIASKIGPNALHLIQPATPHPTTRHPMVSFHPPSLRPPWYFQHLPSRPLYL
 RPLRPLLHRPSSQTSSSLMPLLSPPTPAQPASFATIATQHMRHRTLSFARRLQRLIEALKMRTYPMKHP
 SQYSGPRNYHYRFSTFEPLSNKPSEFLHS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001277245

ORF Size: 1140 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

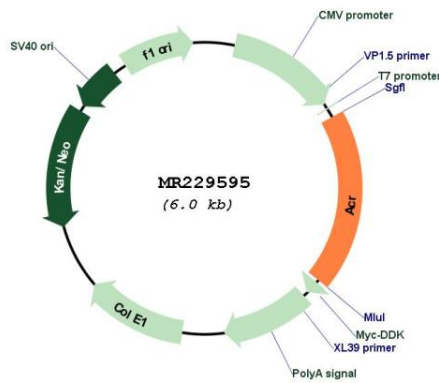
Locus ID: 11434

Cytogenetics: 15 44.96 cM

MW: 43.5 kDa

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]

Product images:



Circular map for MR229595