

Product datasheet for MC218473

4933425K02Rik (BC025002) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	4933425K02Rik
Synonyms:	1700094G20Rik, 4933424B12Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC025002

Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTGAGCAGCAGCTAGAATCAAACAAGAAGGATGATGGTTTCCAATCATCTGTAACCTGTTGAGATGT
CCAAAGATCCTGATAGTTTTCATGAAGAACTGTGGAACCAAAACCAGAACTGAAGGAACCGGAACCAAA
GGAACCAAGGAAGGAACCAAGGAAGGAACCAAGGAAGGAACCAAGGAAGGAACCAAGGAAGGAACCAAG
AGGAAGGAACCAAGGAAGGTACCAGGAAGAAGGGAACCAACGAAGGAACCAACCAACCAAGGAAGGA
TAGAAAGGAAGGAACCAAGGAAGGAAGGAAGGAAGGAAGGAAGGAAGGAAGGAAGGAAGGAAGGAAGGA
AACAATTACAGATGGAGCTGCACTCATTGCACTATGGACTCTACTCTGGGCCCTTATAGGTCAAGAAGTT
CTCCCTGGTGGAATTTGTTTGGACTTGTAGTTATTTTACAGTGCTTTCCTTGGGGTAAATTTTAG
AATTCATTAGAATACCTGTAGTACCTCCCTCCACCTCTCATTGGGATGTTACTGGCTGGTTTCACCAT
CAGGAATGTTCCGATTATTTATGAATTTGTCCATATTCCTACCACATGGTCTTCAGCTTTAAGAAACACT
GCCCTTACTATTATCCTAGTACGAGCTGGGCTTGGACTGGATCCACAGGCCTTGAAGCATCTGAAGGGAG
TCTGTCTGCGCTTATCATTGGTCCATGCTTCTAGAAGCCTGCTCAGCCGCTCTCTTCTCCCACTTCAT
TATGAACCTTCTTGGCAATGGGGTTCCTACTAGGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	BC025002
Insert Size:	810 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).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC025002</u> , <u>AAH25002</u>
RefSeq Size:	1564 bp
RefSeq ORF:	809 bp
Locus ID:	74446
Cytogenetics:	3 G3
Gene Summary:	Sperm-specific Na(+)/H(+) exchanger involved in intracellular pH regulation of spermatozoa (PubMed:20036903). Involved in sperm motility and fertility (PubMed:20036903, PubMed:27010853, PubMed:19409551).[UniProtKB/Swiss-Prot Function]