

## Product datasheet for **MC215977**

### **Xk (NM\_023500) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Xk (NM_023500) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Xk
Synonyms:	1810038K19Rik; Xkh; XRG1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC215977 representing NM\_023500  
Red=Cloning site Blue=ORF Orange=Stop codon

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC  
GCC

ATGAAATCCCGCCTCGGTGATAGCGTCCGTGTTCTGTTCGTGGCCGAGACGGCGCGCGCTCTACT  
TGAGCAGCACCTACCGCTCCGCAGGGGACCGCATGTGGCAGGTGCTGACGCTGCTCTTCTCTTGATGCC  
CTGCGCCCTGGTGCAGTTCACGCTCCTCTTCGTCCACCGCGACCTCAGCCGCGATCGCCACTGGCGCTG  
CTCATGCACCTGCTCCAGCTCGGGCCCCTGTACAGGTGTTGTGAAGTCTTTTGTATCTACTGTCAGTCCG  
ACCAGAATGAAGAACCTTATGTGAGCATCACTAAGAAACGACAGATGCCAAAAGATGGCCTTTCAGAGGA  
GGTGGAGAAAGAGGTTGGCCAGGCAGAAGCAAGCTGATTACCCACCGTCTGCATTAGCCGGGCATCA  
GTGATACAGGCTTTCCTAGGCTCTGCCCCACAACCTGACCTACAACGTATATAACTGTCTTGGAGCAGA  
ACATCACTACTGGAAGATGCTTCATCATGACCTTGTCCCTGCTGTCTATTGTCTATGGCGCCTTACGTTG  
CAACATCTTAGCCATCAAAATCAAGTATGATGAGTATGAGGTCAAAGTCAAACCCCTGGCTTATGTCTGT  
ATCTTCTCTGGAGAAGCTTTGAGATTGCCACCCGAGTCATCGTCTGGTCTCTTTACCTCTGTCTGA  
AGATCTGGGTGGTGGCAGTCATACTCGTCAACTTCTTCAGCTTCTTATATCCCTGGATCGTTTTCTG  
GTGCAAGTGGTCCCATCCCTGAGAACATAGAGAAGGCCCTAAGTAGGGTGGTACCACCATCGTGCTC  
TGCTTCTCACTTACTCTATGCCGGCATCAACATGTTCTGCTGGTCAGCTGTTGAGTGAATCGACA  
ATCCGGAGCTCATCAGCAAGTCCAGAACTGGTACCGCTGCTCATTTACTACATGACGAGATTCATCGA  
GAACTCCGTCCTCTGCTCCTGTGGTATTTTTTAAAAGTACATATACATGATGTGTGTGGCCTCTG  
TTGATCTTGACAGTGTCTATTGGTACTGCATGGCATTCTTTCATGCTTGTGTCTATCAGTTTTTCC  
ACCTTGCAAAAGCTCTTCTCCAGTGTTCGGAAAGCTTTAGGGCACTTCTCAGGTGCTGCTGTTG  
GTCTTCCCTGAGGAGAAAATCCAGCGAGCCAGTAGGAAGGATAGACACAGACTTAAAGGCGTGACAGAG  
CAAGATGTAATGCCTACTACCAGTAAAGTATCCCGAGGCCACTGACATCTGGACTGCTGTTGATCTGT  
GCTCTGCTTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** AscI-MluI

**ACCN:** NM\_023500

**Insert Size:** 1341 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.

RefSeq: [NM\\_023500.2](#), [NP\\_075989.1](#)  
RefSeq Size: 5062 bp  
RefSeq ORF: 1341 bp  
Locus ID: 22439  
UniProt ID: [Q9QXY7](#)  
Cytogenetics: X 4.22 cM  
Gene Summary: May be involved in sodium-dependent transport of neutral amino acids or oligopeptides.  
[UniProtKB/Swiss-Prot Function]