

Product datasheet for **RN208483**

Xk (NM_001012227) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Xk (NM_001012227) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Xk
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN208483 representing NM_001012227
 Red=Cloning site Blue=ORF Orange=Stop codon

CTATAGGGCGGCCGGAATTTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
 GCCC

ATGAAATCCCGCCTCAGTGTTAGCGTCCGTGTTCTGTTCGTGGCCGAGACAATGGCCGCGCTTACC
 TGAGCAGCACCTACCGCTCTGCCGGGACCGCATGTGGCAGGCGCTGACGCTGTTCTTCTCCTTGATGCC
 CTGCACCTTGGTCAGCTCACGCTCCTCTTCGTCCACCGCAGCTCAGCCGCGATCGCCCACTGGTGTTG
 CTTATGCACCTGCTCCAGCTGGGGCCCTGTACAGGTGTTGTGAAGTCTTTGTATCTACTGTCAGTCTG
 ACCAGAATGAAGAACCTTATGTGAGCATCACTAAGAAACGACAGATGCCAAAAGATGGCCTTTCAGAAGA
 GGTGAGAAAGAGGTTGGCCAGTCAGAAGGCAAGCTGTTTACCCACCGTTCTGCATTAGTCGGGCATCA
 GTGATACAGGCTTTCCTAGGTTCTGCCCGCAACTGACCTACAAGTGTATATAACTGTCTTGAACAGA
 ACATTACTACTGGAAGATTCATCATGGTCTTGTCCCTGCTGTCTATCGTCTACGGTGCCTTACGTTGCAA
 CATCTTAGCCATCAAAATCAAGTATGATGAGTACGAGGTCAAAGTCAAACCCCTGGCCTATGTCTGTATC
 TTCCTCTGGAGAAGCTTTGAGATTGCCACTCGGGTCATCGTCCTGGTCTCTTTACCTCTGTCTGAAGA
 TCTGGGTGGTGGTGCATCTTGTCAACTTCTTCAGCTTCTTCTGTACCCGTGGATCCTTTTCTGGAA
 CAGTGGCTCCCCATTCCCTGAGAACATAGAGAAGGCCCTAACTAGGGTAGGTACCACCATCGTGCTCGGT
 TTCCTCACTTTACTCTACGCCGTATCAACATGTTCTGCTGGTCAGCCGTACAGCTGAAAATCGACAATC
 CAGAACTCATCAGCAAGTCCAGAAATGGTACCGGCTGCTGATTTACTACATGATGAGATTGCTCGAGAA
 CTCCGCTCTCTGCTCCTGTGGTTTTTTTTTAAACTGACATATACATGTATGTGTGTGCACCGCTGTTG
 ATTTTGCAGCTGCTCATTGGGTACTGCACGACATTCTTTTCATGCTTGTGTTCTATCAGTTTTTCACC
 CTTGCAAAAAGCTCTTTTCTTAGTGTTTCTGAAAGCTTTAGCGCATGTCTCAGGTGTGCTGTGTTGGTC
 CTCCGCGAGGAGAAAATCCACTGAGCCAGTAGGAAGGATAGACACAGACTTAAAGGCATGCACAGATCAA
 GGTGCACAGCCTTCTACCAGTAACTAACTCCCGAGGCCACTGAGATTGACCGCTGTGGACCTGTGCT
 CCACTTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: AscI-MluI

ACCN: NM_001012227

Insert Size: 1338 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_001012227.1, NP_001012227.1

RefSeq Size: 2856 bp

RefSeq ORF: 1338 bp

Locus ID: 497078

UniProt ID: [Q5GH61](#)

Cytogenetics: Xq12

Gene Summary: human homolog is a red cell membrane protein whose deficiency causes the McLeod syndrome, a disorder characterized by blood group, neuromuscular and hematopoietic abnormalities [RGD, Feb 2006]