

Product datasheet for SC113028

XK (NM_021083) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	XK (NM_021083) Human Untagged Clone
Tag:	Tag Free
Symbol:	XK
Synonyms:	KX; NA; NAC; X1k; XKR1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC113028 sequence for NM_021083 edited (data generated by NextGen Sequencing) <pre> ATGAAATCCCGCCTCGGTGCTGGCGTCCGTGTTCTGTTCGTGGCCGAGACAACGGCG GCGCTCAGCCTGAGCAGCACCTACCGCTCGGGCGGGGACCGCATGTGGCAGGCGCTGACG TTGCTTTTCTCGTACTGCTTTCGCGCTCGTGCAGCTCACGCTTCTCTTCGTACACCGC GACCTCAGCCGCGACCGCCGCTCGTACTGCTGCTGCACCTGCTGCAACTTGGGCCCTT TTCAGGTGTTTGAAGTCTTCTGCATCTACTTTCAGTCAGGCAACAATGAAGAGCCTTAT GTCAGTATCACCAAGAAGAGGCAAATGCCAAAAATGGCCTCTCAGAGGAGATTGAGAAG GAGGTGGGCCAGGCAGAAGGCAAATAATCACCCACCGATCAGCGTTCAGCCGGGCGTCG GTGATCCAGGCTTCTTGGGCTCAGCCCCCAGCTGACCTACAGCTGTACATAAGTGTC ATGCAGCAGGACGTCACTGTTGGAAGAAGTCTCCTCATGACCATATCCCTGTTGTCCATT GTGTATGGAGCCTTGGCTGCAACATCCTAGCCATCAAAATCAAGTACGATGAGTATGAA GTCAAAGTGAAGCCTCTGGCCTATGTCTGTATCTTCTGTGGAGGAGCTTTGAGATTGCC ACTCGAGTTGTAGTCTTGGTCTCTTTACCTCCGCTCCTGAAGACCTGGGTGGTGGTTATA ATACTCATCAACTTCTTCAGTTTCTTCTGTACCCCTGGATCCTCTTCTGGTGCAGTGGT TCCCCATTCCCTGAGAACATAGAGAAGGCCCTCAGTAGAGTGGGCACCACCATTGTACTA TGCTTTCTAACTTTACTCTATACTGGTATCAACATGTTCTGCTGGTCTGCTGTACAGCTG AAAATTGACAGCCCTGACCTCATCAGCAAGTCCCATATTGGTACCAGCTACTGGTGTAT TACATGATAAGATTCATCGAGAATGCCATCCTCCTCCTCTGTGGTATCTTTCAAGACT GACATCTATATGTATGTGTGCGCACCTCTGTTGGTCTGCAGCTGCTCATTGGGTACTGC ACAGCCATTCTCTTCATGCTTGTATTCTATCAGTTCTTCCACCCTTGCAAAAAGCTTTT TCTTCCAGTGTCTGAAGGCTTTTCAGAGGTGGCTCAGGTGTTTTTGTGGGCTGCAGG CAGCAAAAACCTGTGAGCCGATAGGAAAGGAAGATCTACAGTCATCCAGAGATAGAGAT GAGACACCTTCTAGCAGTAAACAAGTCTGAGCCTGGTCAGTTCTTGAATGCTGAAGAT CTCTGCTCTGCTTAA </pre>

Clone variation with respect to NM_021083.2



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_021083 unedited
 GTCGGATTGTAACTTATATAGGCGCCGCGCAATTCGCACGAGGCCACTGCGTCCG
 TCCCCGGTGAGCGCCGCTGACGCGCGGAGATGAAATCCCGGCCCTCGGTGCTGGCGTCCG
 TGTTCTGTTCGTGGCCGAGACAACGGCGGCGCTCAGCCTGAGCAGCACCTACCGCTCGG
 GCGGGGACCGCATGTGGCAGGCGCTGACGTTGCTTTTCTCGCTACTGCCTTGCGCGCTCG
 TGCAGCTCAGCCTTCTCTTCGTACACCGCGACCTCAGCCGCGACCGCCGCTCGTACTGC
 TGCTGCACCTGCTGCACTTGGGCCCCCTTTTCAGGTGTTTTGAAGTCTTCTGCATCTACT
 TTCAGTCAGGCAACAATGAAGAGCCTTATGTCAGTATACCAAGAAGAGGCAAAATGCCAA
 AAAATGGCCTCTCAGAGGAGATTGAGAAGGAGGTGGGCCAGGCAGAAGGCAAACTAATCA
 CCCACCGATCAGCGTTCAGCCGGGCGTCCGTGATCCAGGCTTTCTTGGGCTCAGCCCCC
 AGCTGACCCTACAGCTGTACATAAGTGTATGCAGCAGGACGTCAGTGTGAAGAAGTC
 TCCTCATGACCATATCCCTGTTGCCATTGTGTATGGAGCCTTGCCTGCAACATCTAG
 CCATCANAATCAAGTACGATGAGTATGAAGTCAAAGTGAAGCCTCTGGCCTATGTCTGTA
 TCTTCTGTGGAGGAGCTTTGAGATTGCCACTCGAGTTGTAGTCTGGTCTCTTTACCT
 NCGTCCTGAAGACCTGNGTGGTGTATAATACTCATCAACTTCTCAGTTTCTTTCTGT
 ACCCCTGGATCCCTCTCTGGTGCAGTGGNNTCCATTCCCTGAAACATAGAGAAGGCC
 TCAGTAGAGTGGGACCACATTGTACTTG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_021083 unedited
 GAGTCGAGTTTTTTTTTTTTTTTTTCCAGATAATTGAGGATATGCTACCCAATCCTCTT
 TAATGAAACAAATAGGGTCTCCGATTAAAGGAAAAATTATAGAACATTAAAGGGTGTC
 AGAGGATACAACCTGGAGATCTTTATCAAATTAACCTACAATTATGCCAAGTCAAATTGCA
 TTCCATGAAAGACAAAAATTTCTGGTCAATCCGTCTTTATAATTTAAAAAAGTTTCTG
 AAGTCAATCTCTAATTACAAGTGGTAGTGAGGAAACTCTATTCTTGAAATAATGAAAA
 TGAAAAATCCCTATACACCTGAACCTGGGTGAGAGATTTCTGTGGGTTTTCTAAAAAAC
 CTTAAGTTAACCAAGGTAACCTCTTCTAAATGGTCCTGACAGGCAAGGAATGGGGAGGCA
 GGAGTAAGATGGTAAGAAATCTACTTATACAAGTCGCCATCATTTTGATGTTTTAACACC
 CCTCTGATCCAGAAATTCATCAACATATCAAAGAATCACAACCTTCTAAAAATCCAGGG
 CTTTCATGGCCAAATTTATCACTCATTTCTGCATCCATGGATGCTAAGGAACAAAGTCTC
 CAAATCTAGGCCCTTTGATCAATANAGACAGCATGCCAGGGTGGCTACAGTTGGCTATG
 TACANAAAGCCCTATGAGATGAAATGAAACCTGTCTATTCAAAAACCAAACTTGAAC
 AGCCCTTCCTGAAGCTCTGACAGAATGATGTTGCTGATGGCAAAACCTAGTAATCTTT
 TTTGTCAACAGGACAGCTCTTGGTTGAAACATGTTCAAGGATATAAACTTAAGGTACCCA
 ACCACAGTCTGGAACCTAGAGACAGTAAGCCCTTTCTATTACCTATGAATTACAGTCA
 CCTCCATTCAAGGTACTTGCCNGGAAAGGCCTAAGCTAAAAACCAATGTTCTGGACTG
 GAGCCTGGGTGGCCTTACCTAAAGGTTCTGTTTTCCAAAGTTACTACCAACCTTAAAAA
 CACTC

Restriction Sites:

NotI-NotI

ACCN:

NM_021083

Insert Size:

2620 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_021083.2](#), [NP_066569.1](#)

RefSeq Size: 5089 bp

RefSeq ORF: 1335 bp

Locus ID: 7504

UniProt ID: [P51811](#)

Cytogenetics: Xp21.1

Protein Families: Transmembrane

Gene Summary: This locus controls the synthesis of the Kell blood group 'precursor substance' (Kx). Mutations in this gene have been associated with McLeod syndrome, an X-linked, recessive disorder characterized by abnormalities in the neuromuscular and hematopoietic systems. The encoded protein has structural characteristics of prokaryotic and eukaryotic membrane transport proteins. [provided by RefSeq, Jul 2008]