

Product datasheet for **SC126295**

XKR3 (NM_175878) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	XKR3 (NM_175878) Human Untagged Clone
Tag:	Tag Free
Symbol:	XKR3
Synonyms:	XRG3; XTES
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_175878 edited
 TAATTCTAAATCTGATGCAGAACGTATCAGTGAACTCCCTCCCACTGTCTCTTGTATT
 AGCATCAAGGAAGCGAGAAAAAATAAGCACCTGAGAATGGAGACAGTGTGTTGAAGAGAT
 GGATGAAGAAAGCACAGGAGGAGTTTCATCTTCGAAAGAAGAAATAGTCCTTGGCCAGAG
 ACTCCATCTAAGCTTTCTTTTAGCATTATCTTCTCACTGTTCTCTACTGTGGTGAGGT
 TGCCTTTGGTTTATACATGTTTGAAATTTATCGAAAAGCTAATGACACATTCTGGATGTC
 ATTTACCATCAGCTTTATTATTGTGGGGCAATTTTGGATCAAATTATCCTGATGTTTTT
 CAACAAAGACTTGAGGAGAAATAAGGCTGCATTACTTTTTTGGCACATTCTTCTTTTAGG
 ACCTATTGTGAGGTGTTTGCACACCATTAGAAATTACCACAAATGGTTGAAAAATCTTAA
 ACAGGAGAAGGAAGAGACTCAAGTTAGCATCACAAAGAGAAACACGATGCTGGAAGGGA
 GATTGCATTCTCAATCCGGGATAATTTTCATGCAGCAGAAGGCTTTCAAGTACATGTCAGT
 GATTGAGGCTTTTCTCGGTTCTGTTCCACAATTAATTTTGAGATGTATATCAGTCTCAC
 TATACGAGAATGGCCTTTGAATAGAGCATTGCTGATGACATTTTCCCTGTTATCAGTTAC
 TTATGGGGCCATTGCTGCAATATACTGGCCATCCAGATCAGCAATGATGATACTACCAT
 TAAGCTACCGCCGATAGAATTCTCTGTGTCGTGATGTGGCGTTTTTGGAGGTTATCTC
 ACGTGTAGTGACTCTGGCATTGTTCAATTGCATCTCTGAACTGAAGAGCCTACCCGTTTT
 GTTAATCATATATTTGTATCATTGTTGGCACCCTGGCTGGAGTTTTGGAAGTGGAGC
 TCATCTTCTGGCAACAAAGAAAATAATTCCAATATGGTGGGTACAGTACTGATGCTTTT
 CTTGATCACACTGCTATATGCTGCCATCAACTTCTCTGCTGGTCAGCAGTGAAGTGA
 GTTGTCAGATGACAAAATAATTGACGGGAGACAGAGGTGGGGCCATAGAATCCTACACTA
 CAGCTTTCAGTTTTTTAGAAAATGTGATAATGATATTGGTATTTAGGTTCTTTGGAGGGA
 AAATTTGCTGAATTGTTGTGACTCATTAAATGCCGTGCAGCTCATCATAAGCTACCTAT
 TGGCCACTGGCTTTATGCTCCTCTTCTATCAGTATTTGTACCCATGGCAGTCAGGCAAG
 TGTGGCCAGGACTACTGAAAATCAGCCAGAAGCACCGTACTATTATGTAACATCGAGA
 AAATGAAAAGATAAAAAATAAGCAGCTGAGGAATTACTGTAACCTCTGCAATAGGGTTG
 GATATTTTTCAATCAGAAAAAGTATGACATGTTCAAAAATATACATATATACTTTCACA
 GAACAATGAGTAAAGATGCTGAATGTGACTTGTAAAGAGGCTCTTAAATTTAAAAAATAT
 ACACAGCAAAATCTTGAAGTGGTTTCTAATAAAATTCATTTATGTTCTCCTGTGAAAAA
 AAAAAAAGAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_175878 unedited
 NNNNCCGGGTCAGATTTGTATACGACTCATATAGGCGGCCGATAACTTCGTATAGCATA
 CATTATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTTCGTCGAGAGCGGT
 AATTCTAAATCTGATGCAGAACGTATCAGTGAACTCCCTCCCACTGTCTCTTGTATTA
 GCATCAAGGGGAAGCGAGAAAAAATAAGCACCTGAGAATGGAGACAGTGTGTTGAAGAGA
 TGGATGAAGAAAGCACAGGAGGAGTTTCATCTTCGAAAGAAGAAATAGTCCTTGGCCAGA
 GACTCCATCTAAGCTTTCTTTTAGCATTATCTTCTCACTGTTCTCTACTGTGGTGAGG
 TTGCCTTTGGTTTATACATGTTTGAAATTTATCGAAAAGCTAATGACACATTCTGGATGT
 CATTTACCATCAGCTTTATTATTGTGGGGCAATTTTGGATCAAATTATCCTGATGTTTT
 TCAACAAAGACTTGAGGAGAAATAAGGCTGCATTACTTTTTTGGCACATTCTTCTTTAG
 GACCTATTGTGAGGTGTTTGCACACCATTAGAAATTACCACAAATGGTTGAAAAATCTTA
 AACAGGAGAAGGAAGAGACTCAAGTTAGCATCACAAAGAGAAACACGATGCTGGAAGGG
 AGATTGCATTCTCAATCCGGGATAATTTTCATGCAGCAGAAGGCTTTCAAGTACATGTCAG
 TGATTGAGGCTTTTCTCGGTTCTGTTCCACAATTAATTTTGAGATGTATATCAGTCTCA
 CTATACGAGAATGGCCTTTGAATAGAGCATTGCTGATGACATTTTCCCTGTTATCAGTTA
 CTTATGGGGCCATTGCTGNCATATACTGGCC

Restriction Sites: NotI-NotI
ACCN: NM_175878

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:	<u>NM_175878.2</u> , <u>NP_787074.1</u>
RefSeq Size:	1644 bp
RefSeq ORF:	1089 bp
Locus ID:	150165
UniProt ID:	<u>Q5GH77</u>
Cytogenetics:	22q11.1
Protein Families:	Transmembrane
Gene Summary:	XKRX (MIM 300684) and XKR3 are homologs of the Kell blood group precursor XK (MIM 314850), which is a putative membrane transporter and a component of the XK/Kell complex of the Kell blood group system (Calenda et al., 2006 [PubMed 16431037]).[supplied by OMIM, Mar 2008] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.