

Product datasheet for **SC113741**

XKR8 (NM_018053) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	XKR8 (NM_018053) Human Untagged Clone
Tag:	Tag Free
Symbol:	XKR8
Synonyms:	hXkr8; XRG8
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_018053, the custom clone sequence may differ by one or more nucleotides

ATGCCCTGGTCGTCCCGCGGCGCCCTCCTTCGGGACCTGGTCCTGGGCGTGCTGGGCACCGCCGCTTCC
TGCTCGACCTGGGCACCGACCTGTGGGCCGCGTCCAGTATGCGCTCGGCGGCCGCTACCTGTGGGCGGC
GCTGGTGCTGGCGCTGCTGGGCTGGCCTCCGTGGCGCTGCAGCTCTTCAGCTGGCTCTGGCTGCGCGCT
GACCTGCCGGCCTGCACGGGTGCGAGCCCCGCGCCGCTGCCTGGCGCTGCTGCATCTCCTGCAGCTGG
GTTACCTGTACAGGTGCGTGCAGGAGCTGCGGCAGGGGCTGCTGGTGCGCAGCAGGAGGAGCCCTCTGA
GTTTGAATTTGGCCTACGCCGACTTCTCGCCCTGGACATCAGCATGCTGCGGCTCTTCGAGACCTTCTTG
GAGACGGCACCACAGCTCAGCTGGTGCTGGCCATCATGCTGCAGAGTGGCCGGGCTGAGTACTACCACT
GGGTTGGCATCTGCACATCCTTCTGGGCATCTCGTGGGCACTGCTCGACTACCACCGGGCCTTGCGCAC
CTGCCTCCCCCTCAAGCGCTCCTGGGCTGGGCTCCTCCGTGATCTACTTCTGTGGAACCTGCTGCTG
CTGTGGCCCCGAGTCTGGCTGTGGCCCTGTTCTCAGCCCTCTTCCCCAGCTATGTGGCCCTGCACCTTCC
TGGGCTGTGGCTGGTACTGCTGCTCTGGGTCTGGCTTCAGGGCACAGACTTCATGCCGGACCCAGCTC
CGAGTGGCTGTACCGGGTGACGGTGGCCACCATCCTCTATTTCTCCTGGTTCAACGTGGCTGAGGGCCGC
ACCCGAGGCCGGGCCATCATCACTTCGCTTCTCCTGAGTGACAGCATTCTCCTGGTGCCACCTGGG
TGACTCATAGCTCCTGGCTGCCAGCGGATTCCACTGCAGCTGTGGCTGCCTGTGGGATGCGGCTGCTT
CTTTCTGGGCTGGCTCTGCGGCTTGTGTACTACCACTGGCTGCACCCTAGCTGCTGCTGGAAGCCCGAC
CCTGACCAGGTAGACGGGCGCGAGTCTGCTTTCTCCAGAGGGGTATCAGCTGCCTCAGAACAGGCGCA
TGACCCATTTAGCACAGAAGTTTTTCCCAAGGCTAAGGATGAGGCTGCTTCGCCAGTGAAGGGATAG



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018053 unedited
 NGGTAACCGTTTCATATTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGCACGAGGG
 CCTGGGCTCCTCCGTGATCTACTTCCTGTGGAACCTGCTGCTGTGGCCCCGAGTCTCT
 GGCTGTGGCCCTGTTCTCAGCCCTCTTCCCCAGCTATGTGGCCCTGCACTTCCTGGGCT
 GTGGCTGGTACTGCTGCTCTGGGTCTGGCTTCAGGGCACAGACTTCATGCCGACCCAG
 CTCCGAGTGGCTGTACCGGGTGACGGTGCCACCATCCTCTATTTCTCCTGGTTCAACGT
 GGCTGAGGGCCGACCCGAGGCCGGGCCATCATCACTTCGCCTTCCTCCTGAGTGACAG
 CATTCTCCTGGTGGCCACCTGGGTGACTCATAGCTCCTGGCTGCCAGCGGGATTCCA
 GCAGCTGTGGCTGCCTGTGGGATGCGGCTGCTTCTTTCTGGGCTGGCTCTGCGGCTTGT
 GTACTACCACTGGCTGCACCTAGCTGCTGCTGGAAGCCGACCCTGACCAGGTAGACGG
 GGCCCGGAGTCTGCTTTCTCCAGAGGGGTATCAGCTGCCTCAGAACAGGCGCATGACCCA
 TTTAGCACAGAAGTTTTTCCCAAGGCTAAGGATGAGGCTGCTTCGCCAGTGAAGGGATA
 GGTGAACGGCGTCTTTGAAGCANGATCAGACCCAGCCAGCAGAGATGGAGAGTGACTCT
 GTTGGCANGAGGAGGCGAGGATAAGCTAACGATGCTGCTGTGGCCTCTATGCACTCAGC
 AAGAGCGGACGCTGTGCTGGGCGGGGACCCAGGATGGTGTGAGTCGGGCAGAAAGCC
 TCCTTTCAAGAGTTCACAGTGAACAAGATGAGAAAGGCTGGGCCCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018053 unedited
 GACCGCGGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGGAGTTTCATGAGG
 CTTTATTACATAACCTAATAATACTGTGTGAAAACAACACATCTGCACTTGTAGAGACCC
 ACAGGCACACACATTCTTCTCTCACATAGACTGAGGTAGGAGGTACACTGGCTAAGG
 CAAAAAATACTCAGTGGCTGTGCAAGGCTCAGACCAGGCTCACAAGGCTCTTGTTGA
 AAAGCAGCCCTTGAGAGCAGGAGCAGAGGCCAGGCCAGCTTCACTGAGATCCCAGAGGT
 TCTGACTGGGGCCACCCAGAGTTGGGCATCCCTGGCTTCTAGCATTTGGGATCTAACCCG
 GGACTGGTTGGTCAAGTAGCGGATGAAGCTAGGCTGGTAGCTGGTCTTGTTCAGGTTG
 CAAGGACAGAATGATGTTCTGGCACATAAACTGCTCTTGCCAAAGATTTGTTTCATGAA
 TTGAATGAATGGTGTGGGGAGGGAAGGAAGAATTCTAGAGGACAGCCCTGTGGCCTCC
 TAGCCCAGGATAGGGGAGCTAAGGGGTGGGGCAGCACCTATACCAGTCATTTTAGAGGTG
 GCCAGGGAGGGAGGTGGAAGTTTTGGGGCACCAGCTATACCAATGGCAGGGGGAAAGGT
 AGTCTTCTTTCTCCAAAGTGTCTTGACATAATTGGGGCTCTTGACCTCCAGGGCCCA
 GCCCTTCTCATCTTGGTCACTGTGAACCTCTTTGAAGGAGGCTCTGCCGACTCAGCAC
 CATCCCTGGTGCCCGCCAGCACAAAGCTNCCGCTCTTGCTGAGTCATANAGGCCACAG
 CAGCATCGTTAGCTTATACTCGCCTGCCTTTTGCCACAGAGCACTCTCCTCTCTGCTGCC
 GGGTCCTGACCTGCTCAAGGAAGC

Restriction Sites:

NotI-NotI

ACCN:

NM_018053

Insert Size:

1570 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:	<u>NM_018053.1, NP_060523.1</u>
RefSeq Size:	2179 bp
RefSeq ORF:	435 bp
Locus ID:	55113
UniProt ID:	<u>Q9H6D3</u>
Cytogenetics:	1p35.3
Protein Families:	Transmembrane
Gene Summary:	Promotes phosphatidylserine exposure on apoptotic cell surface, possibly by mediating phospholipid scrambling. Phosphatidylserine is a specific marker only present at the surface of apoptotic cells and acts as a specific signal for engulfment. Has no effect on calcium-induced exposure of phosphatidylserine. Activated upon caspase cleavage, suggesting that it does not act prior the onset of apoptosis.[UniProtKB/Swiss-Prot Function]