OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC203363

XKR8 (NM_018053) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	XKR8 (NM_018053) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	XKR8
Synonyms:	hXkr8; XRG8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC203363 representing NM_018053
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCCTGGTCGTCCCGCGGCGCCCTCCTTCGGGACCTGGTCCTGGGCGTGCTGGGCACCGCCGCCTTCC
TGCTCGACCTGGGCACCGACCTGTGGGCCGCCGTCCAGTATGCGCTCGGCGGCCGCTACCTGTGGGCGGC
GCTGGTGCTGGCGCTGCTGGGCCTGGCCTCCGTGGCGCTGCAGCTCTTCAGCTGGCTCTGGCTGCGCGCT
GACCCTGCCGGCCTGCACGGGTCGCAGCCCCCGCGCCGCTGCCTGGCGCTGCTGCATCTCCTGCAGCTGG
GTTACCTGTACAGGTGCGTGCAGGAGCTGCGGCAGGGGCTGCTGGTGTGGCAGCAGGAGGAGCCCTCTGA
GTTTGACTTGGCCTACGCCGACTTCCTCGCCCTGGACATCAGCATGCTGCGGCTCTTCGAGACCTTCTTG
GAGACGGCACCACAGCTCACGCTGGTGCTGGCCATCATGCTGCAGAGTGGCCGGGCTGAGTACTACCAGT
GGGTTGGCATCTGCACATCCTTCCTGGGCATCTCGTGGGCACTGCTCGACTACCACCGGGCCTTGCGCAC
CTGCCTCCCCTCCAAGCCGCTCCTGGGCCTGGGCTCCTCCGTGATCTACTTCCTGTGGAACCTGCTGCTG
CTGTGGCCCCGAGTCCTGGCTGTGGCCCTGTTCTCAGCCCTCTTCCCCAGCTATGTGGCCCTGCACTTCC
TGGGCCTGTGGCTGGTACTGCTGCTCTGGGTCTGGCTTCAGGGCACAGACTTCATGCCGGACCCCAGCTC
CGAGTGGCTGTACCGGGTGACGGTGGCCACCATCCTCTATTTCTCCTGGTTCAACGTGGCTGAGGGCCGC
ACCCGAGGCCGGGCCATCATCCACTTCGCCTTCCTCCTGAGTGACAGCATTCTCCTGGTGGCCACCTGGG
TGACTCATAGCTCCTGGCTGCCCAGCGGGATTCCACTGCAGCTGTGGCTGCCTGTGGGATGCGGCTGCTT
CTTTCTGGGCCTGGCTCTGCGGCTTGTGTACTACCACTGGCTGCACCCTAGCTGCTGCTGGAAGCCCGAC
CCTGACCAGGTAGACGGGGCCCGGAGTCTGCTTTCTCCAGAGGGGTATCAGCTGCCTCAGAACAGGCGCA
TGACCCATTTAGCACAGAAGTTTTTCCCCAAGGCTAAGGATGAGGCTGCTTCGCCAGTGAAGGGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

>RC203363 representing NM_018053
Red=Cloning site Green=Tags(s)

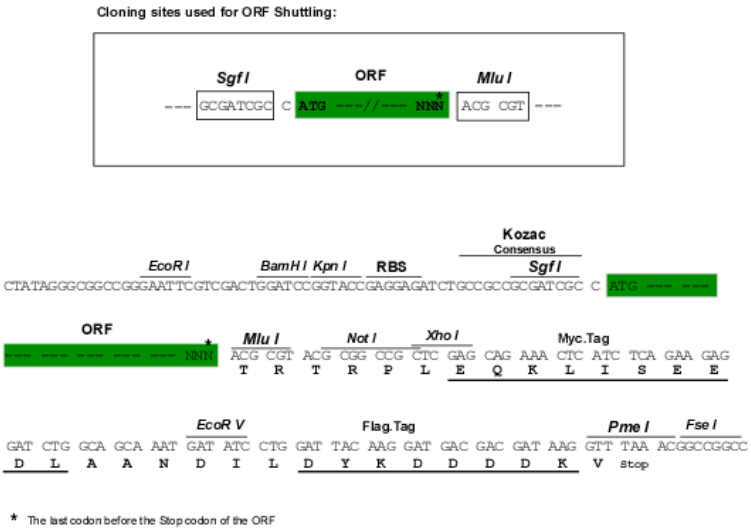
MPWSSRGALLRDLVLGVLGTAAFLLDLGTDLWAAVQYALGGRYLWAALVLALLGLASVALQLFSWLWLRA
DPAGLHGSQPPRRCLALLHLLQLGYLYRCVQELRQGLLVWQQEEPSEFDLAYADFLALDISMLRLFETFL
ETAPQLTLVLAIMLQSGRAEYYQWVGICTSFLGISWALLDYHRALRTCLPSKPLLGLGSSVIYFLWNLLL
LWPRVLAVALFSALFPSYVALHFLGLWLVLLLWVWLQGTDFMPDPSSEWLYRVTVATILYFSWFNVAEGR
TRGRAIIHFAFLLSDSILLVATWVTHSSWLPSGIPLQLWLPVGCGCFFLGLALRLVYYHWLHPSCCWKPD
PDQVDGARSLLSPEGYQLPQNRRMTHLAQKFFPKAKDEAASPVKG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8112_f01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018053

ORF Size: 1185 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_018053.4

RefSeq Size: 2179 bp

RefSeq ORF: 1188 bp

Locus ID: 55113

UniProt ID: Q9H6D3

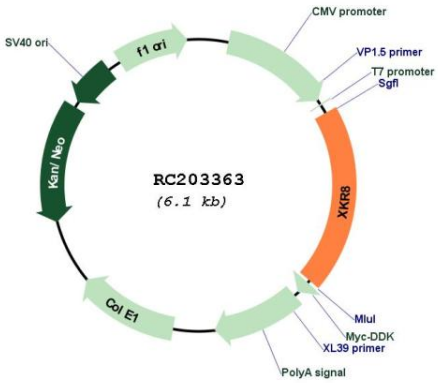
Cytogenetics: 1p35.3

Protein Families: Transmembrane

MW: 44.5 kDa

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]

Product images:



Circular map for RC203363