

Product datasheet for RC222031

XKRY2 (NM_001002906) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: XKRY2 (NM_001002906) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: XKRY2
Synonyms: XKRYP7
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC222031 representing NM_001002906
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTTATCTTTAATAGCATTGCTGATGACATATCCCTCTTATCAGTTGTGTAGGTGCCATTCAGTCA
 ATATACTGGCCATCCGCACTGGCAACGACTTTGCTGCCATTAAGCTACAGGTGATAAAATTGATCTATCT
 CATGATATGGCATTGGTGGTATTATCTCACCTGTAGTACTCTGGCATTCTCCCTGCATCTCTGAAA
 CAGGGGAGCTTACACTTTCTATTAATCATATATTTGTATTATTGTTGACACCATGGCTGGAGTTTTCGA
 AAAGTGGAACCTCATCTTCTAGCAACACAAAAATAATCCAGCATGGTGGGTAAGTATGGATGCTTATC
 T

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC222031 representing NM_001002906
 Red=Cloning site Green=Tags(s)

MFIFNSIADDIFPLISCVGAIHCNLAIRTGNDFAAIKLQVIKLIYLMIWHSLVIIISPVVTLAFFPASLK
 QGSLHFLLLIYFVLLLPWLEFSKSGTHLPSNTKNSSMVGYGCLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8104_d12.zip

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_001002906

ORF Size: 351 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.

RefSeq: [NM_001002906.1](#), [NP_001002906.1](#)

RefSeq Size: 1581 bp

RefSeq ORF: 354 bp

Locus ID: 353515

UniProt ID: [A2RUG3](#)

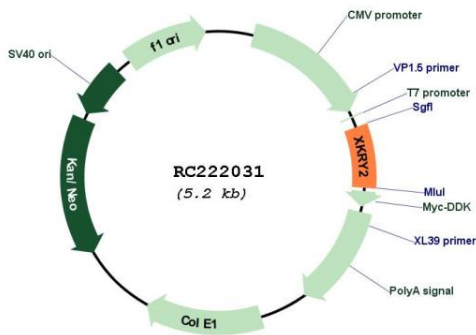
Cytogenetics: Yq11.222

Protein Families: Transmembrane

MW: 13 kDa

Gene Summary: This probable pseudogene is located in the nonrecombining portion of the Y chromosome, and is expressed specifically in testis. It is similar to the XK (X-linked Kell blood group precursor) gene, which encodes a putative membrane transport protein. This gene is present as two identical copies within a palindromic region; this record represents the more telomeric copy. [provided by RefSeq, Nov 2020]

Product images:



Circular map for RC222031