

Product datasheet for **RC227202**

XPR1 (NM_001135669) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	XPR1 (NM_001135669) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	XPR1
Synonyms:	IBGC6; SLC53A1; SYG1; X3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RC227202 representing NM_001135669
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGTTCGCCGAGCACCTCTCCGCGCACATCACTCCCGAGTGGAGGAAGCAATACATCCAGTATGAGG
CTTTCAAGGATATGCTGTATTCAGCTCAGGACCAGGCACCTTCTGTGGAAGTTACAGATGAGGACACAGT
AAAGAGGTATTTTGCAGTTTGAAGAGAAGTTTTTCCAAACCTGTGAAAAAGAAGTTGCCAAAATCAAC
ACATTTTATTCAGAGAAGCTCGCAGAGGCTCAGCGCAGGTTTGCTACACTTCAGAATGAGCTTCAGTCAT
CACTGGATGCACAGAAAGAAAGCACTGGTGTACTACGCTGCGACAACGCAGAAAGCCAGTCTTCCACTT
GTCCCATGAGGAACGTGTCCAACATAGAAATATTAAGACCTTAACTGGCCTTCAGTGAGTTCTACCTC
AGTCTAATCCTGCTGCAGAACTATCAGAATCTGAATTTTACAGGGTTTCGAAAAATCCTGAAAAAGCATG
ACAAGATCCTGGAACATCTCGTGGAGCAGATTGGCGAGTGGCTCACGTAGAGGTGGCCCCATTTTATAC
ATGCAAGAAAATCAACCAGCTTATCTCTGAAACTGAGGCTGTAGTGACCAATGAAGTTGAAGATGGTGAC
AGACAAAAGGCTATGAAGCGTTTACGTGTCCCCCTTTGGGAGCTGCTCAGCCTGCACCAGCATGGACTA
CTTTTAGAGTTGGCCTATTTTGTGGAATATTCATTGTAAGTATTACCTTGTGCTTGGCCGTGTATT
TAAACTTGAAACAGATAGAAGTATATGGCCCTTGATAAGAATCTATCGGGGTGGCTTTCTTCTGATTGAA
TTCCTTTTTCTACTGGGCATCAACACGTATGGTTGGAGACAGGCTGGAGTAAACCATGACTCATCTTTG
AACTTAATCCGAGAAGCAATTTGTCTCATCAACATCTCTTTGAGATTGCTGGATTCTCGGGATATTGTG
GTGCTGAGCCTTCTGGCATGCTTCTTGTCCAAATAGTGTATCCCCACATATGTGTATCCACTTGCC
CTTTATGGATTTATGGTTTTCTCCTTATCAACCCACCAAACTTTCTACTATAAATCCCGTTTTTGGC
TGCTTAAACTGCTGTTTCGAGTATTTACAGCCCCCTTCCATAAGGTAGGCTTTGCTGATTTCTGGCTGGC
GGATCAGCTGAACAGCCTGTGATGATACTGATGGACCTGGAATATATGATCTGCTTCTACAGTTTGGAG
CTCAAATGGGATGAAAGTAAAGGCCTGTTGCCAAATAATTCAGAAGAACGAGTCACTCGGACACTATGG
TGTTCTTTTACCTGTGGATTGTCTTTTATATCATCAGTTCCTGCTATACCCTCATCTGGGATCTCAAGT
GGACTGGGGTCTCTTCGATAAGAATGCTGGAGAGAACACTTTCTCCGGGAAGAGATTGTATACCCCAA
AAAGCCTACTACTACTGTGCCATAATAGAGGATGTGATTCTGCGCTTTGCTTGGACTATCCAAATCTCGA
TTACCTCTACAATTTGTTGCCCTATTCTGGGGACATCATTGCTACTGTCTTTGCCCACTTGAGGTTTT
CCGGCGATTTGTGTGGAATCTTCCGCTGGAGAATGAACATCTGAATAACTGTGGTGAATCCCGTGT
GTGCGGGACATCTCTGTGCCCCCTGAACGCAGATGATCAGACTCTCCTAGAACAGATGATGGACCAGG
ATGATGGGGTACGAAACCGCCAGAAGAATCGGTATGGAAGTACAACCAGAGCATATCCCTGCGCCGGCC
TCGCTCGCTTCTCAATCCAAGGCTCGTGACACTAAGGTATTGATAGAAGACACAGATGATGAAGCTAAC
ACT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC227202 representing NM_001135669
 Red=Cloning site Green=Tags(s)

MKFAEHL SAHITPEWRKQYIQYEAFKDMLYSAQDQAPSVEVTDEDTVKRYFAKFEKFFQTCEKELAKIN
 TFYSEKLAEAQRRAFATLQNELQSSSLDAQKESTGVTTLRQRKPVFHL SHEERVQHRNIKDLKLA FSEFY L
 SLILLQNYQNLNFTGFRKILKHKDKILETSRGADWRVAHVEVAPFYTCCKINQL ISETEAVVTNELEDGD
 RQKAMKRLRVPP LGAAQPAPAWTTFRVGLFCGIFIVLNI TLVLA AVFKLETDRSIWPLIRIYRGGFLLIE
 FLFL LGINTYGRQAGVNHVLI FELNPRS NL SHQHLFEIAGFLGILWCL SLLACFFAPISVIPTYVYPLA
 LYGMVFFLINPTKTFY YKSRFWLLKLLFRVFTAPFHKVGFADFWLADQLNSLSVILMDLEYMICFY SLE
 LKWD ESKGLLPNNSEERGHSDTMVFFYLWIVFYI ISSCYTLIWDLKM DWGLFDKNAGENTFLREEIVYPQ
 KAYYYCAI IEDVILRFAWTIQISITSTLLPHSGDIIATVFAPLEVFRFVWNFFRLENEHLNCCGEFRA
 VRDISVAPLNADDQTLLEQMMDQDDGVRNRQKNRSWKYNQ S ISLRRPRLASQSKARDTKVLI EDTDDEAN
 T

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

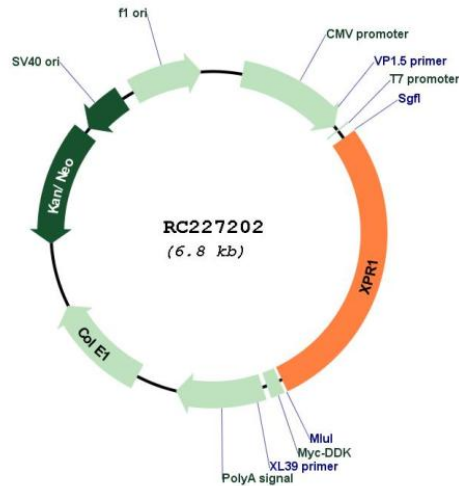
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001135669

ORF Size: 1893 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_001135669.2](#)

RefSeq ORF: 1896 bp

Locus ID: 9213

UniProt ID: [Q9UBH6](#)

Cytogenetics: 1q25.3

Protein Families: Druggable Genome, Transmembrane

MW: 73.7 kDa

Gene Summary: The protein encoded by this gene is a receptor for the xenotropic and polytropic classes of murine leukemia viruses. The encoded protein is involved in phosphate homeostasis by mediating phosphate export from the cell. Defects in this gene have been associated with idiopathic basal ganglia calcification-6. [provided by RefSeq, Jun 2016]