

Product datasheet for **RR205402**

Xpr1 (NM_001105992) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Xpr1 (NM_001105992) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Xpr1
Synonyms:	SLC53A1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR205402 representing NM_001105992
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGTTCGCCGAGCACCTCTCCGCGCACATCACTCCCGAGTGGAGGAAGCAGTACATCCAGTATGAGG
 CATTCAAGGATATGCTGTATTCAGCTCAGGACCAGGCACCTTCTGTGGAAGTTACAGATGAGGATACAGT
 TAAGAGATATTTTCCAAGTTTGAAGAAAAGTTTTTCCAACCTGTGAAAAGGAACCTGCCAAAATCAAC
 ACATTTTATTCAGAGAAGCTGGCGGAAGCTCAGCGCAGGTTTGCTACACTTCAGAATGAGCTTCAGTCAT
 CACTGGATGCGCAGAAAGAAAGCACTGGTGTCAACAATTGCGGCAACGCAGGAAGCCAGTGTCCACCT
 GTCCCATGAGGAGCGTGTCCAACATAGGAATATTAAGACCTTAAGCTGGCCTTCAGCGAGTTCTACCTC
 AGTCTCATCTGCTGCAGAACTATCAGAATCTGAATTTTACAGGGTTTCGAAAAATCCTTAAAAAGCATG
 ACAAGATCCTGGAACATCTCGTGGAGCAGATTGGCGAGTGGCTCATGTGGAGGTGGCCCCATTTATAT
 ATGCAAGAAAATCAACCAGCTCATTTCTGAGACAGAGGCTGTGGTCACCAATGAACCTGAAGATGGCGAC
 AGACAAAAGGCTATGAAGCGATTACGGGTCCTCCGTTGGGAGCTGCTCAGCCTGCACCAGCATGGACTA
 CTTTTAGAGTCGGCCTGTTTTTGAATATTCATTGTGCTGAATATTACTCTTGTGTTTGCAGCTGTATT
 TAAACTTGAAACAGATAGAAGTGTATGGCCCTTGATAAGAATCTATCGGGGTGGCTTTCTTCTGATTGAA
 TTCCTTTTTCTACTGGGCATCAACACATATGGTTGGAGACAAGCTGGAGTAAATCATGTCCTCATCTTTG
 AACTTAATCCAAGAAACAATTTGTCTCATCAGCATCTCTTTGAGATTGCTGGATTCTCGGGGATATTATG
 GTGCCTGAGCCTTCTGGCATGCTCTTTGTCTCAATTAGTATCATCCCTATATATGTGTATCCTCTTGCC
 CTTTATGGGTTTATGGTCTTCTTTTCAACCCCAAAAACCTTTCTACTATAAATCCAGATTTTGGC
 TGCTTAAACTTCTGTTTCGAGTATTTACTGCTCCCTTCCATAAGGTAGGCTTTGCTGATTTCTGGCTGGC
 CGATCAGCTGAACAGCCTGTGAGTATTCTCATGGACCTGGAATATATGATCTGCTTTTACAGTTTTGAG
 CTTAAATGGGATGAGAGTAAGGGCCTGTTGCCAATGATCCGCAAGAACCAGAATTTTGCCACGGATATA
 CGTACGGTGTGCGAGCCATTGTTCAAGTGCATTCTGCTTGGCTTCGATTATCCAGTGCCTGCGCCGGTA
 CCGTGACACAAGAAGAGCCTTTCTCATCTAGTAAACGCTGGCAAATACTCTACGACTTTCTTACCCTG
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 GGGTCGCTTTTGTATCATCAGTTCCTGCTATACCCTCATCTGGGATCTCAAGATGGACTGGGTCTCTT
 TGATAAGAATGCAGGAGAAAACACTTTCTCCGGGAAGAAATGTATACCCTCAAAAAGCTTACTACTAC
 TGTGCCATCGTAGAAGACGTGATTCTGCGCTTTGCTGGACTATCCAGATCTCTATTACTGCTACAACCT
 TTAAGCCTCATGTTGGGGATATCATAGCTACTGCTTTGCCCCCTTGGAGTTTTCCGGGATTTTGTGTG
 GAACCTTCTCCGCTGGAGAATGAGCATCTAAACAACGTGGTGAATTCGTCGCGTGCAGACATCTCT
 GTGGCCCCCTCAATGCAGATGACCAGACACTACTCGAGCAGATGATGGACCAGGAGGATGGGGTGC
 ACCGCCAGAAGAGCCGGTCGTGGAAATACAACCAGAGCATATCCCTGCGCCGGCCTCGCCTGCCTTCCCA
 ATCCAAGGCTCGAGACACTAAGGTATTGATAGAAGACACAGATGACGAAGCTAACACT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR205402 representing NM_001105992
 Red=Cloning site Green=Tags(s)

MKFAEHL SAHITPEWRKQYIQYEAFKDMLYSAQDQAPSVEVTDEDTVKRYFAKFEKFFQTCEKELAKIN
 TFYSEKLAEAQRRFATLQNELQSSLDAQKESTGVTTLRQRKPVFHL SHEERVQHRNIKDLKLA FSEFY L
 SLILLQNYQNLNFTGFRKILKHKDKILETSRGADWRVAHVEVAPFYICKINQL ISETEAVVTNELEDGD
 RQKAMKRLRVPP LGAAQPAPAWTTFRVGLFFGIFIVLNITLVFAAVFKLETDRTVWPLIRIYRGGFLLIE
 FLFLLGINTYGWRQAGVNHVLI FELNPRNLSHQHLFEIAGFLGILWCL SLLACFFAPISIIPIYVYPLA
 LYGMVFFLINPTKTFY YKSRFWLLKLLFRVFTAPFHKVGFADFWLADQLNSLSVILMDLEYMICFYSFE
 LKWDKGLLPNDPQEPEFCHGYTYGVRAIVQCIPAWLRFIQCLRRYRDRRAFPHLVNAGKYSTTFFTV
 TFAALYSTHKERGHSDTMVFFYLWVFCI ISSCYTLIIDLKMDWGLFDKNAGENTFLREEIVYPQKAYYY
 CAIVEDVILRFAWTIQISITATTFKPHVGDIIATVFAPLEVFRFVWNFFRLENEHLNCCGEFRAVRDIS
 VAPLNADDQTLLEQMMDQEDGVRNRQKSRSWKYNQSI SLRRPRLPSQSKARDTKVLI EDTDDEANT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

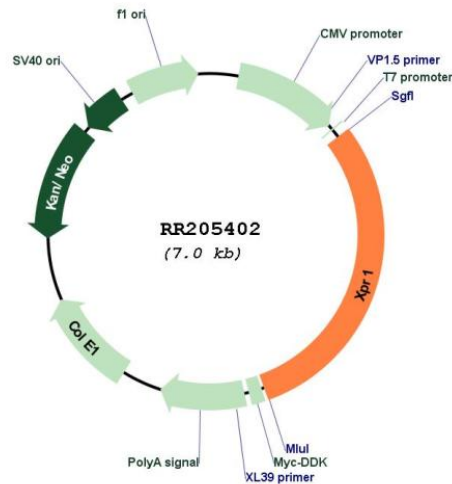
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001105992

ORF Size: 2088 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_001105992.1](#), [NP_001099462.1](#)

RefSeq Size: 2410 bp

RefSeq ORF: 2091 bp
Locus ID: 289424
Cytogenetics: 13q21
MW: 81.7 kDa