

Product datasheet for **MC220577**

Xpr1 (NM_011273) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Xpr1 (NM_011273) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Xpr1
Synonyms:	Rmc-1; Rmc1; Sxv; Syg1; XR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220577 representing NM_011273
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGTTCGCCGAGCACCTCTCCGCGCACATCACTCCCGAGTGGAGGAAGCAGTACATCCAGTATGAGG
 CATTCAAGGATATGCTGTATTCAGCTCAGGACCAGGCACCTTCAGTTGAAGTTACAGATGAGGATACAGT
 TAAGAGATATTTTCCAAGTTTGAAGAAAAGTTTTTCCAAACCTGTGAAAAGGAAGTTGCCAAAATCAAC
 ACATTTTATTCAGAGAAGCTGGCAGAGGCTCAGCGCAGGTTTGCTACACTTCAGAATGAGCTTCAGTCAT
 CGCTGGATGTGCAGAAAGAAAGCAGTGGTGTACGACATTGCGACAGCGCAGAAAGCCAGTGTCCACCT
 GTCCCACGAGGAGCGTGTCCAACATAGGAACATTAAGACCTTAAGCTGGCCTTCAGCGAGTTCTACCTC
 AGTCTCATCTGTGCAGAACTATCAGAATCTGAATTTACAGGGTTTCGAAAAATCCTCAAAAAGCATG
 ACAAGATCCTGGAACATCTCGTGGAGCAGATTGGCGAGTGATTGATGTAGAGGTGGCCCCATTTATAC
 ATGCAAGAAAATTAACCAGCTCATTTCTGAGACTGAGGCTGTGGTCACCAATGAAGTTGAAGATGGTGAC
 AGACAAAAGGCTATGAAGCGGTTACGGTCCCTCCATTGGGAGCTGCTCAGCCTGCACCAGCATGGACTA
 CTTTTAGAGTTGGCCTATTTTGTGGAATATTCATTGTGCTGAATATTACCTTGTGTTTGCAGCTGTATT
 TAAACTTGAAACAGATAGAACTGTATGGCCCTTGATAAGAATCTATCGGGTGGCTTTCTTCTGATTGAA
 TTCCTTTTCTACTGGGCATCAACACATATGGTTGGAGACAAGCTGGAGTAAATCATGTCCTCATCTTTG
 AACTTAATCCAAGAAACAATTTGTCTCATCAGCATCTCTTTGAGATTGCTGGATTCTGGGGATCTGTG
 GTGCCTGAGCCTTCTGGCATGCTTCTCGCTCAAATTAGTATCATCCCTATATATGTGTATCCACTAGCC
 CTTTATGGGTTTATGGTCTTCTTTTATCAACCCACCAAACTTTCTACTATAAATCCAGATTTTGGC
 TGCTCAAACCTCTGTTTCGAGTATTTACTGCTCCCTCCATAAGGTAGGCTTTGCTGATTTCTGGCTGGC
 CGATCAGCTGAACAGCCTGTCAAGTATTCTCATGGACCTGGAATATATGATCTGCTTCTACAGTTTTGAG
 CTTAAATGGGATGAGAGTAAGGGCTGTTGCCAAATGATCCACAAGAACCAGAATTTTGCCACAATATT
 CATATGGTGTGCGAGCCATTGTTCAATGTATTCCAGCTTGGCTTCGCTTCATCCAGTGCCTGCGCCGGTA
 CCGTGACACGAGGAGGGCTTTTCTCATCTAGTAAATGCTGGCAAATACTCCACAACCTTTCTCACCGTG
 ACATTTGCAGCCCTTTACAGCACTCACGAAGAACAAAATCACTCTGACACCGTGGTGTCTTTTACCTGT
 GGGTCTTCTTTGTATCATCAGTTCCTGCTATACCCTCATCTGGGATCTCAAGATGGACTGGGGTCTCTT
 TGATAAGAATGCAGGAGAAAACACTTTCTCCGGGAAGAAATTGTATACCCTCAAAAAGCCTATTACTAC
 TGTGCCATCATAGAAGATGTGATACTGCGCTTCGCTTGGACTATCCAAATCTCTATTACTGCTACGTTTA
 AGCCTCATGTTGGGAACATCATTGCTACTGCTTTGCCCCCTTGAGGTTTTCCGGCGATTGTGTGGAA
 CTCTTCCGCTCTGGAGAACGAGCATCTAAATAACTGTGGTGAATTCAGAGCCGTGCGGGACATCTGTG
 GCCCCCTCAACGCGGATGACCAGACACTTGGAGCAGATGATGGACCAGGAGGATGGGGTTCCGAAACC
 GCCAGAAGAACCAGGCTCGTGAAGTACAATCAGAGCATACCCTGCGTAGGCCCGCTGGCTTCCCAATC
 CAAGGCTCGCGACACTAAGGTATTGATAGAAGACACAGATGACGAAGCTAACACT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_011273
- Insert Size:** 2088 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: [NM_011273.2](#), [NP_035403.1](#)

RefSeq Size: 7651 bp

RefSeq ORF: 2088 bp

Locus ID: 19775

UniProt ID: [Q9Z0U0](#)

Cytogenetics: 1 66.49 cM

Gene Summary: Plays a role in phosphate homeostasis. Mediates phosphate export from the cell. Binds inositol hexakisphosphate (Ins6P) and similar inositol polyphosphates, such as 5-diphospho-inositol pentakisphosphate (5-InsP7); these are important intracellular signaling molecules (By similarity). Potential receptor for xenotropic and polytropic murine leukemia retroviruses (PubMed:10516044, PubMed:9988277).[UniProtKB/Swiss-Prot Function]