

Product datasheet for **MG216694**

Xpot (NM_001081056) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Xpot (NM_001081056) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Xpot
Synonyms:	1110004L07Rik; 3110065H13Rik; AI452076; C79645; EXPORTIN-T
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MG216694 representing NM_001081056
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGATGAACAGGCTCTTTTAGGGTTAAATCCAAATGCCGATTACAGACTTTAGACAGAGGGCCCTGGCTT
 ATTTTGAGCAGTTAAAGATTTCCCAGATGCCTGGCAGGTGTGTGCAGAGGCTCTGGCACAGAAGACATA
 CAGTGATGACCACGTAAGTTCTTCTGCTTCCAAGTACTAGAGCATCAAGTTAAATACAAGTACTCAGAA
 CTAAGCACTGCTCAGCAGCAGCTCATCAGGAGACACTGCTCTCATGGCTTCAGGCTCAGATGCAGAATC
 CGCAGCCAGAGAAGACCTTCATACGGAACAAAGCGGCCAAAGTGTTCGCCTTGCTTTTTTTGTACAGAGTA
 TCTCACTAAGTGGCCCAAGTTTTTTTTTGTACATCCTCTCAGTTGTGGACCTAAACCCGAGGGGCGTGGAC
 CTGTACCTGCGGATCCTCATGGCCATCGATTACAGAGCTGGTGGATCGGGACGTGGTTCACACGTACAGAGG
 AGGCTCGAAGGAACACACTGATAAAAGACACCATGCGGGAGCAGTGCATTCCAAATCTGGTGAATCGTG
 GTACCAGATTTTACACAACACTACAGTATACGAATTCAGAAGTGCCTGTCAGTGCCTTGAAGTAGTTGGG
 GCCTACGTCTCCTGGATAGACTTATCCCTTATAGCCAATGATAGGTTTATAAATATGCTGCTAGGTCACA
 TGTCCGTAGAGGTTCTACGGGAAGAAGCATGTGACTGCTTGTTCGAGATTGTAATAAAGGGATGGACCC
 TGTGGATAAGATGAAACTCGTAGAGTCCCTGTGTCAAGTATTACAGACTGCTGGGTTTTTTCAGCATTGAC
 CAGGAAGAAGATTTGGACTTCGTGGCCAGATTTTCTAAGCTGGTAAATGGAATGGACAGTGCCTAATAG
 TTAGCTGGACTAAATTAATTAAGAATGGGGCTGTCAAGAATGCGCAGGAGGCACTGGAAGCTATTGAGAC
 AAAAGTGCACCTATGTTACAGCTGCTAGTTACAGGACGATGACATTTCTCCAACATCATTGGGTTT
 TGTTATGATTATCTCCATATCCTGAAACAGCTTCTGTGCTCTCGGATCAGCAAAAAGCTAATGTAGAGG
 CAATCATGTTGGCCGTTATGAAAAATTGACTTATGATGAAGAATAAATTTGAAAATGAGGGTGAAGA
 TGAAGCCATGTTTGTAGAATACAGAAAAACAGCTGAAGTTACTGTTGGACAGACTTGCTCAGGTGCCCG
 GAGCTCGTGTGCTTCTGTTTCGAGGCTTCTCAGTGCCACGCTGCAGAAGTGGCAGACCCGCGCTTCA
 TGGAGGTTGAAGTAGCCGTGCGGTTGCTGTACATGCTGGCGGAAGCTCTCCCGGTGTCCACGGCGCTCA
 CTTCTCAGGTGACGTGTCAAAGCGAGTCTTTCAGGACATGATGCGGACGCTGGTACATCAGGAGTC
 AGCTCCTACCAGCACAGTCTGTGACCTGGAGTTCTTTGAAACTGTTGTTTCGCTATGAGAAGTTTTTCA
 CAGTTGAACCTCAGCACATTCCTGTGTACTCATGGCTTCTTAGATCACAGAGGCTGTGGCATTCCAG
 TGCTAAAGTCCGGAGCAGAACCCTACCTGTTTTCTAGATTTGTCAAATCTCTCAATAAACAATGAAT
 CCTTACATTGAGGAGATTTGAATAGAATACAGGATTTATTAGCCCTTTCTCCACCGGAGAACGGATACC
 AGTCTTGTGAGTAGCGACGATCAGCTTTCATTACGAACCGCCGGGCGCTGATTGTTAACAGTGA
 ATACCCCGCAGAAAATAAGCAGGCTTAATGAAGGACCTCCTGACACCACTGATGGAGAGGTTCAAGGTT
 CTGTTGGAAAAGCTGATGATGGCGCAGGATGAAGAGAGACAAGCATCTCTTGACAGACAGTCTCAACCACG
 CAGTGGGATTCGCCAGTGAACAGCAAGGCTTCAGCAACAAGCAGACTGTGAAACAGTGGCGTGTCTC
 CCAGGTCTACCTGGACTGCTTACAGACCTTCTGCCAGCCCTCAGCTGCCCTTGCAAAAGGACGTCTCTC
 CGAAGTGGTGTGCGGACCTTCTCCATCGGATGATCATCTGCCTCGAGGAGGAGGTGCTCCCGTTTATCC
 CGTCCGCTCGGAGCACATGCTCAAGGACTGTGAGGCGAAAGACCTCCAGGAGTTCATCCCACTCATCAA
 CCAGATCACGGCCAAGTCAAGATGCAGGTGTCCTCCGTTTTTACAGCAGATGTTTCATGCCCTGCTTCA
 GCTATCTTGAAGTGTGCTGCGACCGAGGGAAGACAACGACCAGTCCGGCCGCTTGGAGAAGCAGATGC
 TGAGGAGGAGTTACTTCGCTTCTGCAGACGGTCAACCGCAGCGGGATGAGTGAAGTATCGCGAATCA
 AGGTGCAGAAAATGTAGAGCAGGTGCTGGTTACTATTATCCAAGGAGCCGTTGACTATCCAGATCCGATT
 GCACAGAAAACGTGTTTTATTATCTCTCAAAGCTGGTGGAGCTCTGGGAGGCAAGGACGGACCGGTGG
 GCTTTGCCGACTTTGTTTATAAGCACATCGTCCAGCGTGTTCCTGGCACCTTTGAAGCAGACCTTTGA
 CCTGGCAGATGCACAGACAGTATTGGCGCTTCTGAGTGTCCGTGACTCTGAAAACAATCCATCTCAA
 CGGGCCCTGAGTGTGTTCAAGTATCTTCAACAAGAATATCTGCCCTCCCTACAAGTTGCTCCAGAAATA
 TTCAGGAGTTCTGTCAAGCACTCAGCAGCCTGATGCTAAAGTTTTTAAAAATTACCTAAAGGTGTTCTT
 CCAGAGAGCAAAACCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216694 representing NM_001081056
 Red=Cloning site Green=Tags(s)

MDEQALLGLNPNADSDFRQRALAYFEQLKISPDWQVCAEALAQKTYSDDHVKFFCFQVLEHQVKYKYSE
 LSTAQQQLIRETLLSWLQAQMNPQPEKTFIRNKAAQVFALLFVTEYLTKWPKFFDILSVVDLNRPGVD
 LYLRILMAIDSELVDRDVVHTSEEARRNTLIKDTMREQCIPNLVESWYQILHNYQYTNSEVLCCQCLEVVG
 AYWVWIDLSLIANDRFINMLLGHMSVEVLREEACDCLFEIVNKGMDPVDKMKLVESLQVLTQTAGFFSID
 QEEDLDFVARFSKLVNMGQSLIVSWTKLIKNGAVKNAQEALAEIETKVPLMLQLLVHEDDDISSNIIGF
 CYDYHLHLKQLPVLSDQQKANVEAIMLAVMKKLTIDEYVNFENEDEAMFVEYRKQLKLLLDRLAQVSP
 ELVLASVRRVFSATLQNWQTTFRMEVEVAVRLLYMLAEALPVSHGAHFGDVSASALQDMMRTLVTSGV
 SSYQHTSVTLEFFETVVRYEKFFVPEPQHIPCVMFAFLDHRGLWHSSAKVRSRTAYLFSRFVKS LNQM
 PYIEEILNRIQDLLALSPPENGYQSLLSSDDQLFIYETAGALIVNSEYPAENKQALMKDLLTPLMERFKV
 LLEKLMMAQDEERQASLADSLNHAVGFASRTSKAFSNKQTVKQCGCSQVYLDCLQTFPALSCPLQKQDLV
 RSGVRTFLHRMIICLLEEVLPIPSASEHMLKDCEAKDLQEFIPLINQITAKFKMQVSPFLQMFMLLH
 AIFEVLLRPAEDNDQSAALEKQMLRRSYFAFLQVTGSGMSEVIANQGAENVEQVLVTIIQGAVDYDPDI
 AQKTCFIIILSKLVELWGGKDGVPVGFADFYKHIVPACFLAPLKQTFDLADAQTVLALSECAVTLKTIHLK
 RGPPECVQYLQQEYLPVLQVAPEIIQEFQALQQPDAKVFKNYLKVVFFQRAKP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001081056

ORF Size: 2886 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_001081056.2](#)

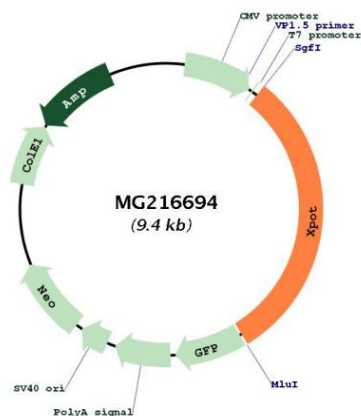
RefSeq Size: 5989 bp

RefSeq ORF: 2889 bp

Locus ID: 73192

Cytogenetics: 10 D2

Product images:



Circular map for MG216694