

Product datasheet for MC223784

Tecpr1 (NM_027410) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tecpr1 (NM_027410) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tecpr1
Synonyms: 2210010N04Rik; mKIAA1358
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223784 representing NM_027410
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCACCTCCGTGCTGTGGCGGTGGACCTCTTTGGGAGAGTGTATACCCTGTCCACGGCCGGTCAGT
 ACTGGGAGCTTTGCAAGGATGTCCAATTGGAGTCAAGAGGGTCAGTGCAGCCACCCAGTCTGCTGGG
 CATCGCCGGCACAACCAGGTCTACTTGTATGTGTGCTCCAGTGTACCCATCCGCCATCGAGAGGAG
 GCCTATGAGAATCAGCGTTGGAACCCATGGGAGGCTTCTGTGAGAAGCTCCTGCCGAGCGACCCGTGGC
 CATGGAGTGACGTGAGTGGGCTCCAGCATCGGCCGCTGGATGGGGTAGCACTGCCTTCGCCACACTGGGA
 ATGGGAGTCAGACTGGTACGTGGATGAGAATTTGGAGGGGAGCCACCGAGAAAGGGGGTGGACATAC
 GCTATGGACTTTCCTGCCACCTACACTAGAGACAAGAAATGGAATTCATGTGTGCGAAGGAGGAAATGGA
 TCCGGTATAGGCGATACAAATCCCGGACTCCTGGGCAAGATCCCTCAAAGGATGACCCCAAGGAACT
 CCCTGATCCCTCAATGACCTGTCTGTTGGGGGTGGGAGATCACAGAGGAACAGTCGGCCGCTGTCA
 GTGTGGGCTGTATCCCTGCAGGAAAGGTGTGGTACCGAGAGGATGTAGCCACCCCAACCCAGAAGGCT
 CCTCCTGGTCTCTCGTGGAAACCCAGGGGAGGTGGTCCAGATCAGCTGTGGGCCACCGACCTTATATG
 GGCCACCTCTGGGAGGGACAGGCTCTGGTCAGAGAAGGAGTCTGCAAGGAACAACCCAAAAGGAAGTTAC
 TGGTCCATGGTGGAGCCTCCTGGATCTGAAAACGGTATCATGCACGTCTCCGCGGGCGTCACTGTGGTCT
 GGGCCATCACGAAGGACCGCAAAGTGTGGTTCGGAGGGGTGCAACTCTCACAACCCCTGTGGCACCAG
 CTGGATCGAGATGGTCCGAGAGATGACCATGGTGAACGTGGGGCTGAATGACCAGGTCTGGGGTATCAGC
 TGTGAGGACCGAGCCGTACTTCCGGCAGGGTGTGACTCCAGCGAGCTCAGCGGAAGACATGGAAGG
 CCATTGTCGTGGCCGAGAAAGTGACCGGTACACTCTGGCAGCTCGTCCAGTCTCCTCAGTCTGGCTG
 CTTCTTCGGCGACGAGGTGAGGGCAGTGGTACAGAGTCGGCACCCAGTGATACCGATGCCTCCTTGGAA
 GTTGAGAGACAGGGCCCCGAACAGCCTCTCCCAAAGAAGCTTTGGACAATTCACAAACCTTAAAGGGA
 GCTTGTCCAAGGGCCACGAGACCAGCGGAACACTGATCACTCCAGGAGAACGCTGCCTGACTGAAGG
 CAAAGAAAAGGCTCCTGAGACCTCTCGTCTGATGAATGCCGCGGCCCTGCCTCCAGCCAGCTGAGCTG
 CCCTGGACCAACATTGACCTAAAGGAGCCCAAGAAGGTGTCTAACCGCCAGCTGCTGGCTTCCCGAGA



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CGGCGGGCCTCTCCTCCCTGGGGCTCTCCCGATGGGCATGGAGGAGCCGTACGGGGCAGATGATCATCC
TCTGTGGGCTGGGTGTCTGGAGGCGCATGTGCAGTGGAGGCGGGCTCTACACTTAAGTGGTTCACCATC
CAGTCAGGCGCTGTCCCCTCAGTGCAGACGCTGTCCCTGTCCATCACCCCTGCCAGACGGCTGCCTGGA
GGAAGCAGATCTCCAGCAACTCACAGAAAGGACCAAGCGGGAGCTGGAGAGCTTCAGGCACTACGAGCA
GGCCGTGGAGCAGTCAGTGTGGTGAAGACGGGGCCCTGCAGTGGTGGTGTGACTGGAAGCCCCACAAG
TGGTGGACGTCCTGTGGCCCTGGAGCAGTTCACAGGGCACGACGGGGCTCGAGACAGCATCCTCTTCA
TCTATTATGTGGTCCATGAGGAGAAGAAGTACCTACACGTGTTCCCTGAATGAGGTGACCGTGTGGTCCC
TGTGCTTAATGAGGCCAAGCACTCCTTTGCCCTCTACACCCCGAGAGGACGAGACAGAGGTGGCCCGTA
CGCCTGGCTGCCGCCACAGAGCAAGACATGAATGACTGGCTCGCCCTGCTTAGCCTGTCTGCTGCGAGA
GCCGAAGGTCCATGGACGCCCATCCCCGAGGCCATCTGGTCTGTCACTTGCAAGGGTGACATCTTTGT
GAGCGAGCCCAGCCAGACCTGGAAGCCCGTGGAGCCTGCTGCCCTGCGACCAGATGTTCTGGCGACAG
ATGGGAGGCCACTTGGGATCATAGAGGCCAACAGCCGAGGCGTGGTATGGGGCATTGGCTATGATCACA
CGGCCTGGGTGTACACGGGCGGCTATGGCGCGGTTGCTTCCAAGCCTGGCCAGTAGCACCAGCAACAT
TTACACACAGTCAGATGTGAAGAGTGTCTACATCTATGAGAACCAGCGTTGGAACCCTGTCACGGGCTAT
ACCAGCAGGGTCTGCCACTGACCGGTTTCATGTGGAGTGTGTCACGGGACTACAAGAATGTACCAAGG
CCGGCACAAAACCCCATCGCTGCAGTGGACTTGGGTCTCTGACTGGTATGTGGATTCAGTGTCCCCGG
AGGCACCGATCAGGAAGGATGGCAGTATGCCAGCGATTTCCCGCCTCTTACCATGGGTACAAAACCATG
AAGGATTTTGTGACAGGAGAAGGTGCTGGGCCAGAAAATGCAAGCTGGTGACCAGTGGGCCGTGGTGGAGG
TGGCCCCATCACCTCAGCGACGTGTCCATCATCCCAGAGAGTGACATGCTGACGGGAGAGGGCACAA
TGTTGCACTATGGGCCGTGAGTACAAGGGGACGTCCTGTGCCGCTGGGTGTGTCTGAACTCAACCCC
GCGGGCTCCTCCTGGTGCATGTTGGCACTGACCAGCCCTTCGCCTGTCTCCATCGGAGCCTGCTATC
AGGTGTGGGTGTGGCCAGGATGGCTCTGCATTCTACCGGGCTCCGTGTCTCCCTCCCAGCCAGCTGG
TGACTGTGGTACCACATCCCCCTCCCCTCCAAGCAGAAGCTGACACAGGTGTCTGTGGCCAGACATGG
GTTTATGCCTTGGACGAAAATGGGAACCTGTGGTACCGAGCAGGGATCACCCCGAGTACCCGACAGGGCT
CCAGCTGGGAGCATGTATCCAACAATGTACGCAAAGTGTCTGTGGGACCCCTGGACCAGGTCTGGGTGAT
TGCCAACAAAGTCCAGGGGAGCCATGGCCTGAGCCGGGGACGGTGTGTCGTGCGATGGGTGTCCAGCCT
CGGGAGCCCAAGGGACAGGGCTGGGACTATGGCATTGGCGGAGGCTGGGACCACATCTGTCCGGGCCA
ATGCCACCAGGGTCCAAGGAACATGTCCAGGGATCGGGAGGCCCGGGTCCAGGTCTGTTTGTGCTGCTG
A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_027410

Insert Size:

3501 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_027410.1](#), [NP_081686.1](#)

RefSeq Size: 4195 bp

RefSeq ORF: 3501 bp

Locus ID: 70381

UniProt ID: [Q80VP0](#)

Cytogenetics: 5 G2

Gene Summary: Tethering factor involved in autophagy. Involved in autophagosome maturation by promoting the autophagosome fusion with lysosomes: acts by associating with both the ATG5-ATG12 conjugate and phosphatidylinositol-3-phosphate (PtdIns(3)P) present at the surface of autophagosomes. Also involved in selective autophagy against bacterial pathogens, by being required for phagophore/preautophagosomal structure biogenesis and maturation (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longest isoform (1).