

Product datasheet for **RN208111**

Tecpr1 (NM_001037191) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tecpr1 (NM_001037191) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tecpr1
Synonyms:	RGD1306873
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN208111 representing NM_001037191 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGCCACCTCCATGCTGTGGGCAGTGGACCTCTTCGGGAGAGTGTATACACTGTCAACGGCCGGTCAGT
ACTGGGAGCTGTGCAAGGATGTCCAGTTGGAGTCAAGCGGGTCAGTGGCCCACTCAGTGCTGTGGG
CATCGCCTGCGACAACCAGGTCTACTTATATGTGTCTCCAGCGATGTGCCATCCGTACACAGAGAGGAG
GCCTATGAGAATCAGCGTTGGAACCCATGGGAGGCTTCTGTGAGAAGCTCTGCCAAGTGACCGCTGGT
CGTGGAGTGACGTGAGTGGGCTCCAGCATCGGCCGCTGGATGGCGTAGCACTGCCTTCGCCATACTGGGA
ATGGGAGTCAGACTGGTACGTGGATGAGAATTTTGGAGGGGAGCCACCGAGAAAGGGGGTGGACATAC
GCTATGGACTTCCTGCTACCTACACTAGAGACAAGAAATGGAATTCATGCGTGCGAAGGCGGAAGTGGA
TCCGGTATAGGAGATACAAATCCCGGGACACCTGGGCCAAGATCCCTCAAAGGATGACCCCAAGGAACT
CCCTGACCCCTCAATGATCTGTCTGTAGGAGGGTGGGAGATCACAGAAGAACCTGTAGGCCCGCCTGTCA
GTGTGGCTGTATCCTTGCAAGGGAAGGTGTGGTACCGAGAGAACGTTAGCCACCCCAATCCAGAAGGTT
CCTCCTGGTCTCTGTGGATACCCAGGGGAAGTGGTCCAGATCAGCTGTGGGCCACGACCTTATATG
GGCCACCTCTGGGAGGGGCAGGCTCTGGTCAGAGAAGGAATCTGCAGGAACAACCCCAAGGAAATTC
TGGTCCATAGTGGAGCCTCCTGGTCTGAAAATGGCATCATGCAGTCTCTGCGGAGTCAGTGTGGTCT
GGGCCATCACAAGGACCGCAAAGTGTGGTCCGGAGGGGCGTCAACTCTCACAACCCCTGTGGCACCAG
CTGGATCGAGATGGTCCGAGAGATGACCATGGTGAACGTGGGGCTGAATGACCAGGTCTGGGGTATCAGC
TGTGAGGACCGAGCTGTATACTTCGGCAGGGTGTCACTCCAGCGAGCTCAGTGGGAAGACATGGAAGG
CCATCGTCGTGGGCCGAGAAAGTGACCGGTCACTCTGGCAGCTCGTCCAGTCTCCTCAGTGCTGGCTG
CTTCTTCGGCAGGAGGTGAGGGCAGTGGTACGGAATCTGCACCCAGTGACACCGATGCCTCCTCGGAA
GTCGAGAGACAGGGCCCGAACGGTCTCTCCCAAGAATCTTTGGATAATTCAGGAACCTTAAGGAA
GCTCGTCAAGGGCCACGAGAGCACCAGGAACACTGAGGACCCATGGAGAACGCTGCCTGGCTGAGGG
CCAAGCAAAGGCTCCAAGACCTCTGGCCCTGATGAGTGCCATGGCCAGCCCCACGCCAGCTGAGCTG



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CCCTGGACCAACATTGACCTAAAGGAGCCTAAGAAGGCGTCTAACCAGCCAGCTGCCGGCTTTCCTGAGA
CTTCGGGCCTCTCCTCCCTAGGGCTGTTCCCGATGGGCATGGAAGAGCCCTATGGGGCAGACGACCATCC
TCTGTGGGCTGGGTGTCTGGAGGTGGATGTGCGGTGGAAGCGGGCTCTGCTCTCAAGTGGTTCAGTGTC
CAGTCAGGCCTATCCCCCTCAGTGACAGCTTGTCCCTGTCCATCACACCCGCCAGACCGCTGCCTGGA
GGAAACAGATCTCCAGCAGTCACGGAGAGGACCAAGCGAGAGCTGGAGAGCTTCAGACACTATGAACA
GGCCGTAGAGCAGTCGGTGTGGTGAAGACGGGGGCCCTGCAGTGGTGGTGGACTGGAAGCCCCACAAG
TGGGTGGACGTCCGTGTGGCCCTGGAGCAGTTCACAGGGCATGACGGGGCTCGAGACAGCATCCTCTTCA
TCTATTACGTGGTCCATGAGGAAAAGAAGTACCTACACGTGTTCCCTGAATGAGGTGACCGTGCTGGTCCC
CGTGCTTAATGAAGCAAGCACTCCTTTGCCCTACACCCCGAAAGGACCAGACAGAGGTGGCCCGTA
CGCCTGGTGGCCACCACTGAGCAAGACATGAATGACTGGCTTACCCTGCTCAGCCTGTCTGCTGCGAGA
GCCGGAAGGTCCACGACGCCCGTCCCTGCAGGCCATCTGGTCTGTCACTTGAAGGGTGACATCTTTGT
GAGTGAGCCCAGCCAGACCTGGAAGCCCATGAGCACCTGCTACCCTGCGACCAGATGTTCTGGCGACAG
ATGGGAGGCCACCTGCGGATCATAGAGGCCAACAGCCAGGCGTGGTGTGGGGCATCGGCTATGATCACA
CAGCATGGGTGTACACAGGCGGCTATGGCGGAGGCTGCTTCAAGGCCTGGCCAGCAGCACCAGCAACAT
TTATACACAGTCGGACGTGAAGAGCGTCTACATCTATGAGAACCAGCGTTGGAACCTGTACAGGGCTAT
ACCAGCAGGGGTCTGCCCACTGACCGGTACATGTGGAGTGATGTACAGGGCTACAAGAATGCACCAAGG
CCGGCACAAGGCCCATCCCTGCAGTGGACTTGGGTTTCTGACTGGTATGTGGACTTCAGTGCTCTCGG
AGGCACCGATCAGGAAGGATGGCAGTACGCCAGTGATTTCCCTGCCTCTTACCACGGGTACAAAACCATG
AAGGATTTTGTACAGGAGAAGGTGCTGGGCCAGAAAATGCAAGCTGGTGACCAGCGGGCCGTGGTGGAGG
TGGCCCCCATCGCCCTCAGCGATGTGTCCATCATCCCCGAGAGTGCAGATGCTAATGGGAGAGGACACAA
TATTGCACTGTGGGCCGTGAGTACAAGGGGACGTCTGTGCCGCTGGGTGTGTCTGAACCTCAACCCT
GCGGGCTCCTCCTGGCTGCATGTGGCACTGACACGCCCTTTGCCTCTGTCTCTATCGGAGCCTGCTATC
AGGTGTGGGTGTGGCCAGGGATGGCTCTGCATTCTACCGGGCTCTGTGTCTCCTTCCCAGCCAGCTGG
TGACTGCTGGTACCACATCCCATCTCCTCCCAAGCAGAAGCTCACACAAGTGTCTGTGGGCCAGACATCA
GTTTATGCCTTGATGAAAACGGGAACCTGTGGTACCGAGCAGGGATCACCCCCAGCTACCCGACGGGCT
CCAGCTGGGAGCAGTGTCCAACAATGTACGCAAAGTGTCTGTGGGGCCACTGGACCAGGTCTGGGTGAT
TGCCAACAAAGTCAGGGGAGCCATGGCCTGAGCCGGGGAACAGTGTGTCGTGCGATGGGTGTCCAGCCT
CGGGAGCCCAAGGGACAGGGCTGGGACTATGGCATTGGTGGAGGCTGGGACCACATCTGTGCCGGCCA
ATGCCACCAGGGCACCGAGGAACATGTCCAGGGATCAGGAGGCCCATGGCCAGGTCTGTTTGTGCTGCTG
A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001037191

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:	<u>NM_001037191.1, NP_001032268.1</u>
RefSeq Size:	4310 bp
RefSeq ORF:	3501 bp
Locus ID:	304285
UniProt ID:	<u>Q3ZBA0</u>
Cytogenetics:	12p11
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]