

Product datasheet for **RN204481**

Epha2 (NM_001108977) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epha2 (NM_001108977) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Epha2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN204481 representing NM_001108977
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGCTTCGGGACCGGTTTCTGCCTGGCCCTGTTGTGGGTTGCGCGCTGGCGGCCGGCGCGCAC
 AGGAAAAAGAAGTTGTTTGGCTGGACTTCGAGCAATGAAGGGGAACTCGGCTGGCTCACACACCCTA
 CGGAAAAGGGTGGGACCTGATGCAAAACATCATGAATGACATGCCTATCTACATGTACTCGTGTGCAAT
 GTGGTGTCTGGGACCGAGACAAGTGGCTCCGTACCAACTGGGTGTACCGGGAGGAGGCCGAGCGCATCT
 TTATTGAGCTCAAGTTCACCGTGCAGACTGCAATAGCTTTCCGGGTGGCGCCAGCTCCTGCAAAGAGAC
 CTTCAACCTCTACTATGCAGAGTCAAGCTGGACTATGGACCAACTCCAGAAGCGCCAGTTCCACCAAG
 ATCGACACCATCGCCCTGACGAGATCACGGTCAGCAGTACTTCGAGGCTCGCAATGTCAAGCTGAATG
 TGGAGGAGCGCATGGTGGGGCCCTTACCCGGAAGGGCTTCTACCTGGCCTTCCAGGACATCGGTGCCTG
 TGTGGCATTGCTCTGTTCGTGTCTACTACAAGAAGTGTCCCGAGATGCTTCAGAGCTTGGCCCGCTTC
 CCTGAGACCATTGCTGTGCGCCTCAGATGCACAGCCCTGGCCACGGTGGCCGGTACCTGCGTGGACC
 ACGCTGTGGTGCCTTATGGGGCGAGGGCCCTCTCATGCACTGCACGGTGGATGGTGAAGTGGCTGGTGC
 TATCGGGCAGTGCCTGTGCCAAGAAGGCTACGAGAAGGTGGAGGACGCTGCCAAGCCTGTTCTCCAGGA
 TTCTTCAAGTCTGAGGCATCTGAGAGCCCTTGCCTGCAGTGTCCGGAGCATACCTGCCATCCACTGAGG
 GTGCCACCTCCTGCCAGTGTGAAGAAGGCTATTTACGGGCACCTGAGGACCCACTGTCCATGCCCTGCAC
 ACGTCCACCCTCGCCCCACTACCTCACGGCCATCGGCATGGGTGCCAAAGTGAAGTGCCTTGGACG
 GCCCCCCAGGACACCGGTGGGCGCAAGGACATCGTCTACAGCGTCACTTGCAGACAGTGTGGCCAGAGT
 CGGGCAGTGTGGTCCGTGTGAGGCCAGTGTGCAATACTCAGAACCACCTCAGGCCCTGACCCGACGAG
 TGTGACAGTCAGCGACCTGGAGCCTCACATGAACATACTTCACTGTGCAAGCCCGCAATGGCGTCTCA
 GACCTGGTGAATAGCCGAAGCTTCCGGACTGCCAGTGTGAGCATTAAACAAAACAGAGCCCCCAAGTGA
 GACTGGAGGACCGAAGCACCACCTCCCTGAGTGTGCGCTGGAGCATCCCGGTGCCACAGCAGAGCCGTGT
 GTGGAAGTACGAAGTACCTACCGAAGAAGGGGGATGCCAATAGCTACAATGTGACCCGTACAGACGGC
 TTCTCCGTGACCCTGGATGGCTTGTCCCGTACTACATACCTGGTGCAGGTGCAGGCGCTGACGACGG
 AGGGCCAGGGCGCCGCGCAGCAAAGTGCACGAGTCCAGACGCTGCCACGGAAGGATCTGCCACCATGGC
 GGTGATCGGCGGTGTGGCTGTTGGCGTTGCTCCTGCTCCTAGTGTAGCGGGAATTGGCTTCTTCATCCAT
 CGAAGGAGGAGGAACCTCGGGCCCGTCACTCCTGAGGACGCTACTTTTCCAAGTCAAGAACTAA
 AGCCCCGAAGACATATGTGGATCCTCACACTACGAAGACCCCAACAGGCCGTGCTCAAGTTTACCAC
 CGAGATCCACCCATCCTGTGTCTCCAGGAGAAGGTCATTGGAGCAGGAGAGTTTGGAGAGGTATATAAA
 GGGACGCTGAAGTCTCCTCTGGAAGAAGGAGATACCGGTGGCTATCAAGACGCTGAAAGCCGGCTACA
 CTGAGAAGCAGCGGGTGGACTTCCCTAAGTGAAGCCAGCATCATGGGCCAGTTCAGCCATCACAATATCAT
 CCGCCTGGAGGGCGTGTCTCTAAATACAAACCCATGATGATTATCACAGAGTACATGGAGAATGGAGCG
 CTAGACAAGTTCCTTAGGGAGAAGGACGGCGAGTTCAGCGTACTGCAGCTCGTGGCATGCTTCGGGGCA
 TCGCGTCTGGCATGAAGTACCTGGCCAACATGAACACTGCACCGGGACCTGGCCGCCCCGAACATCCT
 TGTCAACAGTAACCTGGTATGCAAGGTGTCCGATTTTGGCCTGTGCGGTGTGCTGGAGGATGACCCGTGAG
 GCCACCTACACCACTAGTGGCGGAAGATTCTATTGATGGACAGCCCCAGAAGCCATTCTCCTACCGCA
 AGTTCACCTCAGCCAGTGTGTGGAGCTATGGAATTGTCATGTGGGAGGTGATGACGTACGGAGAGCG
 GCCCTATTGGGAGCTGTCAAACCATGAGGTGATGAAAGCCATCAACGATGGCTTCCGGCTCCCCACGCC
 ATGGACTGCCCTCAGCCATCTACCAACTCATGATGCAATGCTGGCAGCAAGAGCGCTCCCGCCGCCCA
 AGTTTGTGACATTGTTAGCATCTTGGACAAGCTCATCCGAGCCCCGACTCCCTCAAGACCCTGGCTGA
 CTTGATCCCCGAGTGTCCATTCGGCTACCCAGCACCAGCGGCTCAGAGGGAGTCCCTTCCGGACGGTG
 TCTGAGTGGCTGAAAGCATCAAATGCAACAGTATACGGAACACTTCATGGTAGCTGGTACACGGCCA
 TCGAGAAAGTGGTGCAGATGTCCAATGATGACATCAAAGGATCGGAGTGCCTTCTCGCCACCAGAA
 GCGCATTGCCACAGCCTGCTGGGACTCAAAGACCAAGTGAACACAGTGGGGATTCTATC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001108977
Insert Size:	2934 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:	<ol style="list-style-type: none">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_001108977.1</u> , <u>NP_001102447.1</u>
RefSeq Size:	3911 bp
RefSeq ORF:	2934 bp
Locus ID:	366492
Cytogenetics:	5q36