

Product datasheet for **RN217388**

Epha4 (NM_001162411) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Epha4 (NM_001162411) Rat Untagged Clone
Tag: Tag Free
Symbol: Epha4
Synonyms: RGD1560587
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN217388 representing NM_001162411
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTGGGATTTTCTATTTTCATCTCTTTTCGTTTCTTTGGAATTTGCGACGCTGTCACCGTTCTA
GGGTATACCCGGCGAATGAAGTTACTTTATTGGATTCCAGATCTGTTCCAGGAGAGCTTGGTGGATAGC
AAGCCCTCTGGAAGGAGGTGGGAGGAAGTAAGCATTATGGATGAGAAAAATACCCGATCCGAACCTAC
CAGGTATGCAACGTGATGGAAGCCAGTCAGAACAAGTGGCTGCGAACTGACTGGATCACCCGAGAAGGGG
CGCAGAGGGTGTACATTGAAATTAAGTTCACTCTGAGGGACTGCAACAGTCTCCGGGCGTCATGGGGAC
TTGCAAGGAGACGTTTAACTTTACTACTATGAATCGGACAACGACAAGGAGCGCTTTCATCAGAGAGAGC
CAGTTCGGCAAGATCGACACCATCGCAGCGGATGAGAGCTTTACACAGGTGGACATTGGGGACAGAATCA
TGAAGCTCAACACCGAGATCCGGGATGTAGGGCCCTGAGCAAGAAGGGTTTTTACCTGGCTTTTCAGGA
TGTGGGTGCTTGATCGCCCTGGTGTCTGTTCTGTTCTACAAGAAGTGTCCCTCACCGTTCGAAAT
CTAGCCAGTTCCTCCGATACCATCACTGGGGCTGATACCTTCCCTGGTGAAGTTCGAGGCTCCTGTG
TCAACAACCTCAGAAGAGAAGGATGTGCCAAAAATGACTGTGGGCAGATGGTGAATGCCAAGCTTGCAAATGGATAT
TACAAAGCTCTCTCCACGGACGCCACCTGTGCCAAGTGTCCACCCACAGCTACTCTGTCTGGGAAGGAG
CCACGCTCTGCACCTGTGACCGAGGCTTTTTCAGAGCTGACAACGATGCCGCGTCCATGCCCTGCACCCG
CCCACCATCTGCTCCCCTCAACTTGATTCTAATGTCAACGAGACGTCGGTGAACCTGGAATGGAGCAGT
CCTCAGAACACAGGTGGCCGTGAGGACATTTCTTACAACGTGGTCTGCAAGAAATGTGGAGCTGGGGATC
CCAGCAAGTGTGACCCCTGTGGAAGTGGAGTCCACTACACGCCACAGCAGAATGGACTCAAGACGACCAG
AGTCTCCATCACTGACCTCCTAGCACACACCAATTACACGTTTGAGATCTGGGCAGTGAATGGCGTGTCT
AAGTACAACCCTAGCCCAGACCAGTCAGTGTCTGTACAGTGACAACCAACCAAGCAGCACCATCATCCA
TTGCTTTGGTCCAGGCTAAAGAAGTTACAAGATACAGTGTGGCTCTGGCTTGGCTGGAACCGATCGACC
AAACGGAGTCATCTTAGAATATGAAGTGAATATTATGAAAAGGATCAGAATGAACGAAGCTATCGCATA
GTTCCGACAGCTGCCAGGAACACAGATATCAAAGGCTGAACCTTTGACTTCTTACGTCTTCCACGTGC



GAGCCAGGACCGCCGCTGGCTATGGAGACTTCAGCGAACCCCTTGAAGTCACTACCAATACAGTGCCTTC
 CCGAATCATTGGCGACGGGGCCAACTCTACCGTCTGCTGGTCTCCGTCTCTGGCAGTGTAGTACTCGTG
 GTCATTCTCATTGCGGCATTTGTGATCAGCCGTAGACGGAGTAAGTACAGCCAAGCAAAGCAAGAAGCAG
 ATGAAGAGAAGCATTGGAATCAAGGTGTTAGAACATACGTGGATCCCTTTACATATGAAGACCCCAACCA
 GGCAGTTCGAGAAATTTGCCAAAGAAATCGATGCCTCCTGCATTAATAATCGAAAAGGTCATTGGAGTTGGC
 GAATTTGGAGAAGTCTGCAGTGGCGTCTCAAAGTGCCCGCAAGAGAGAGATCTGTGTGGCCATCAAGA
 CTCTGAAAAGCTGGTTATACTGACAAGCAGAGAGAGACTTCCTGAGCGAGGCCAGCATCATGGGACAGTT
 TGACCACCCAAACATAATCCACCTGGAAGGCGTTGTACCAAAATGTAAACCAAGTAATGATCATCACGGAG
 TACATGGAGAACGGCTCCTTGGACGCTTTCCTCAGGAAGAATGATGGCCGATTTACAGTCATTACAGTGG
 TGGGCATGCTCCGAGGCATTGGCTCGGGGATGAAGTACTTATCTGATATGAGCTATGTGCATCGAGACCT
 GGCTGCCAGGAACATTCTGGTAAACAGCAACTTGGTCTGCAAGGTGTCTGATTTCCGGCATGTCCAGGGTG
 CTTGAGGATGACCCGGAAGCAGCCTATACTACCAGGGGCGCAAGATTCCCATCCGGTGGACTGCACCAG
 AAGCAATTGCGTATCGTAAATTTACCTCAGCCAGTGACGCTCTGGAGCTACGGAATCGTTATGTGGGAAGT
 GATGTCATATGGAGAGAGGCCGTACTGGGATATGTCCAATCAAGATGTGATCAAAGCCATCGAGGAAGGG
 TACCGGCTACCCCGCAATGGACTGCCCATTCGCCCTCCATCAGTTAATGCTGGACTGTTGGCAGAAAAG
 AGAGAAGCGACAGGCCTAAATTTGGGCAGATCGTCAACATGTTGGACAAACTCATCCGCAACCCCAACAG
 CCTGAAGAGGACAGGGCCAGAGATTCCAGACCAACACAGCCTTGTAGATCCCAGCTCCCTGAATTC
 TCCGCCGTAGTATCAGTGGGTGACTGGCTGCAGGCCATCAAAATGGACCGGTATAAGGACAACTTCACAG
 CCGCCGGGTACACGACACTAGAAGCTGTGGTTCACATGAGCCAGGATGACCTGGCGCAATTGGCATCAC
 CGCAATCACGCACCAGAATAAGATTTTGAGCAGCGTCCAGGCGATGCGAACCCAGATGCAGCAGATGCAT
 GGCAGGATGGTTCCTGTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001162411
- Insert Size:** 2961 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001162411.1](#), [NP_001155883.1](#)
- RefSeq Size:** 6338 bp

RefSeq ORF: 2961 bp
Locus ID: 316539
Cytogenetics: 9q33