

Product datasheet for **RN204341**

Ephb6 (NM_001107857) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ephb6 (NM_001107857) Rat Untagged Clone
Tag: Tag Free
Symbol: Ephb6
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN204341 representing NM_001107857
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTTCTGAGAACACGGCTGGGTGAGGAGCAGAGTGGCGGGCATGGTGTACAGTCTATGGCTCCTGG
 TTCTGGGGCCCTCAGTTCTAGCTCTGGAAGAGGTGCTGCTGGATACCACAGGAGACCTCTGAGATTGG
 CTGGCTCACCTACCCACCAGGTGGTGGGATGAGGTGAGTGTCTAGACGACCAGCGCCGCTGACTCGG
 ACCTTCGAAGCATGCCAGTTCGACAGGGCTCCCTCCCGGTTCTGGGCAGGACAATTGGCTACAGACACT
 TTGTGGAGCGCCGAGGGGCCAGAGGGCACACATCCGTCTTCACTTCTCTGTGCGAGCCTGTTCCAGCCT
 GGGCGTGAAGTGGAGGTACCTGCCGAGAGACCTTACCCTTTACTACCGGAGGCTGATGAACCAGACAGC
 CCTGACAGTATTTGCGCCTGGCACCTCAAACGCTGGACCAAAGTGGACACAATCGCAGCAGATGAGAGCT
 TCCCTGCCTCCTTCTTCTTCTCCTGGGCTGTGGGACCCACAGGACTGATCAGCGGGTGGGACTGCA
 GCTGAATGTCAAAGAGCGCAGTTTGGTCTCTCACTCAGCGTGGCTTCTACGTGGCCTTCCAGGACACA
 GGGCCCTGCCTGGCCCTGTAGCAGTCAAGCTTCTCCTATACCTGTCCCTCCGCTCTGCGCCCTTTG
 CCTTTTTCTGAGACACAGGCCAGCGGAGCTGGAGGTGCCTCCTTAGTAGCTGTGTGGGCACCTGTGT
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 GCCAGTTCTGACCCACCAGAGGCTCCCTGCACTGGTCTCCATCAGCTCCCGGGAGCTTTGGTTTGAGG
 TTCAAGGCTCAGCACTTATGCTGCACTGGCGCCTGCCTCAGGAGCTGGGCGGACGAGGGGACCTGCTCTT
 CAATGTTGTGTGCAAGGAATGTGGAGGTACAAGGAGCCAGCAGTGGGGGAATGTGTCGCCGCTGCAGG
 GATGAGGTGCATTTGACCCCGCCAGAGGGCCTGACCGAGAGTGCAGTGTAGTTGGTGGGCTCCGAG
 CACAGTGCATACATCTTGAAGTGCAGGCTGTCAATGGGGTGTCTGAGCTCAGCCTGACCCCTCCCA
 GGACAGCAGCCATCAATGTGACACCAGCCTGAAGTTCCTTCTGAGTCCCTGTGATGCACCAGGTGAGC
 CGGGCCGCCAACAGCATCACAGTGTCTGGCCACAGCCTGAACAAACAAATGGAACATCCTTGACTATC
 AGCTGCGTACTATGACCAGGCAGAAGTGAATCCCACTCCTTACCATGACCAGTGCAGTAACTGC
 CACTGTGACAGGTTGAGCCCTGGCCACATTTATGGCTTCCAGGTTGAGCAGGACTGCGGCTGGCCAT



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GGCCCCTATGGGGCAAAGTCTATTTTCAGACACTGCCTCAAGGTGAGCTGTCCTCCCAGCTTCCAGAGA
AGCTGTCCTTGGTGATTGGTTCCATCCTGGGGCCTTGGCCTTCTTCTACTGGCAGCCATCACTGTACT
GGCTGTCACTTCCAGCGGAAGCGGCGTGGGACCGGCTACACAGAACAACCTGCAACAGTACAGCAGCCCA
GGACTTGGAGTGAAGTATTACATTGACCCTTCCACGTATGACGACCCCTGCCAGGCCATCAGAGAGCTTG
CTCGAGAGGTTGACCCTACATAATCAAGATTGAGGAAGTCATTGGGGCAGGTTCTTTGGAGAAGTGCG
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GCTGAGAGCCTGAAGATGACCTTCTGGGTCGGGCAGCCCTGCTGGCCAGTTCCAGACCCCAATATCC
TGCGCCTGGAAGGTGTAGTCACTAGGAGTCGGCCTGTCATGGTGTGACAGAACCTATGGAGCTTGGTCC
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AGACACTTGGCAGAAGGACCGTCCCGTCCGGCCTCACTTTGACCAGCTCGTAGCCGCTTTGACAAGATG
ATACGCAAGCCTGATACCTCCAGGCTGAAGGGAGCTCCGGGGACAGGCCTTCCAGGCTTCTGAACC
CTGTGGCCTTGGACTTCTTGCCTGGACTCTCCCGAGCCTGGCTTTCAGCCATTGGACTAGAGTGCTA
CCAGGACAACCTCTAAGTTTGGTCTTCCACCTTCACTGATGTGGCTCAGCTCAGCCTTGAGACCTG
CCAGGCCTGGGCATCACCTAGCTGGCCACCAGAAGAACTACTGCATAACATCCAGCTCCTCCAGCAGC
ACCTGAGGCAGCCAGGCTCGGTGGAAGTGTAA
  
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAAGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001107857
- Insert Size:** 3042 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_001107857.1](#), [NP_001101327.1](#)
- RefSeq Size:** 4066 bp
- RefSeq ORF:** 3042 bp
- Locus ID:** 312275

UniProt ID: [P0C0K7](#)

Cytogenetics: 4q23

Gene Summary: Kinase-defective receptor for members of the ephrin-B family. Binds to ephrin-B1 and ephrin-B2. Modulates cell adhesion and migration by exerting both positive and negative effects upon stimulation with ephrin-B2. Inhibits JNK activation, T-cell receptor-induced IL-2 secretion and CD25 expression upon stimulation with ephrin-B2 (By similarity).[UniProtKB/Swiss-Prot Function]