

## Product datasheet for RN205279

### Ephb1 (NM\_001104528) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ephb1 (NM\_001104528) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ephb1  
**Synonyms:** elk; Ephb2; Erk  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN205279 representing NM\_001104528  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGCCCTGGATTGCCTGCTGTTCTCCTGGCATCTGCAGTGGCCGCGATGGAAGAAACATTGATGG  
 ACACAAGGACTGCCACTGCAGAGTTGGGATGGACGGCCAACCCTGCCTCTGGGTGGGAAGAAGTCAGTGG  
 CTACGATGAAAACCTGAACACCATCCGTAACCAAGTGTGCAACGCTTTGAACCCAACCAGAACAAC  
 TGGCTGCTTACCACCTTTATCAACAGACGGGGCGCCCATCGCATCTATACAGAGATGCGCTTCACGTGA  
 GGGACTGCAGCAGCCTTCCAATGTCCCAGGCTCTGCAAGAGACCTTCAACTTATACTACTATGAGAC  
 TGACTCTGTCAATGCCACCAAGAAGTCAGCCTTCTGGTCTGAAGCCCCCTACCTCAAAGTTGACACCATT  
 GCTGCAGATGAGAGCTTCTCCAGGTGGATTTGGGGGAAGGTTGATGAAGGTCAACACAGAAGTCAGGA  
 GCTTTGGGCCTTACTAGGAATGGTTTTACCTCGCTTCCAGGATTATGGAGCCTGTATGTCTCTACT  
 TTCTGTCCGTGTCTTCTCAAAAAGTGTCCAGCATTGTGCAAAATTTGCAGTGTCCAGAAACCATG  
 ACAGGAGCAGAGACACATCTCTGGTGATTGCTCGGGGCACATGCATCCCTAATGCAGAAGAAGTGGATG  
 TGCCCATAAAACCTACTGCAATGGAGATGGAGAGTGGATGGTCCCATGGGCGCTGCACCTGTAAAGC  
 TGGCTATGAACCTGAGAACAGCGTGGCCTGCAAGGCTGTCTGCGGGAACCTTCAAGCCAGCCAGGAA  
 GCTGAAGGCTGCTCCACTGCCCTCCAACAGCCGCTCCCTTCAGAGGCGTCTCCCATCTGCACCTGCC  
 GGACTGGCTATTACCGAGCAGACTTTGATCCCCAGAAGTGGCGTGCAGTGTCCCATCAGGCCCTCG  
 AAATGTCACTCCATTGTGAATGAGACATCTATCATTCTAGAGTGGCACCTCCAAGAGAGACCGGTGGG  
 CGAGATGATGTGACCTACAACATCATCTGCAAGAAGTGCAGAGCAGACCGCCGGAGTTGCTCCCGTGGC  
 ATGACAATGTGGAGTTGTACCCAGACAGCTGGGCTTGACTGAGTGTCTGTCTATCAGTAGCCATG  
 GGCCACACCCCATACACTTTTGATATCCAGGCCATCAATGGAGTCTCTAGCAAGAGTCCCTTCCCCCA  
 CAGCATGTCTGTCAACATCACCACAAACCAAGCTGCCCTCCACTGTTCTATCATGCACCAGGTCA  
 GTGCCACCATGAGGAGCATCACCTTGTGATGGCCTCAGCCGGAGCAGCCTAATGGCATCATCTGGACTA  
 TGAGATCCGGTACTATGAGAAGGAGCACAATGAGTTCAACTCTTCCATGGCCAGGAGCCAGACCAACAGC  
 GCACGTATCGATGGGCTACGGCCCGCATGGTGTATGTGGTCCAGGTACGAGCTCGAACCGTGGCTGGCT



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ATGGCAAGTTCAGTGGCAAGATGTGCTTCCAGACTCTGACAGATGATGATTACAAGTCGGAGCTGAGAGA
GCAGCTACCCCTGATCGCTGGCTCTGCAGCAGCTGGGGTTGATTTGTTGTGTCTCTGGTGGCTATCTCC
ATTGTCTGCAGCAGGAAACGAGCTTACAGCAAAGAGGCTGTGTACAGTGATAAATTCAGCATTACAGCA
CAGGCCGAGGCTCCCCAGGGATGAAGATCTACATTGACCCGTTCACTTATGAGGACCCTAATGAAGCTGT
CCGGGAGTTTGCCAAGGAGATTGATGTGTCTTTTGTGAAAATTGAAGAGGTCATCGGAGCAGGGGAGTTT
GGAGAAGTGTACAAGGGCCGATTGAAGCTGCCAGGCAAGAGGGAAATCTATGTGGCCATCAAGACCCTGA
AAGCTGGGTACTCAGAGAAACAGCGTCGGGATTTTCTGAGCGAGGCGAGCATCATGGCCAGTTTGACCA
TCCCAACATCATTGCGCTAGAGGGTGTGTGACCAAGAGCCGACCTGTCATGATCATTACGGAGTTCATG
GAGAATGGCGCTTTAGACTCTTTCCTCCGGCAAAATGACGGACAGTTCACCGTGATCCAGCTTGTGGGGA
TGCTGAGGGGCATCGCTGCTGGCATGAAGTACCTATCTGAGATGAATTATGTGCACCGGGACCTGGCTGC
TAGGAACATTCTGGTGAACAGCAACCTGGTGTGCAAAGTGTCTGACTTTGGCCTCTCTCGCTACCTCCAG
GATGACACCTCAGACCCACCTACACCAGCTCCTGGGAGGGAAGATACCTGTTAGATGGACAGCTCCAG
AGGCCATCGCTACCGCAAGTTTACGTCAGCCAGCGATGTCTGGAGCTACGGGATTGTCATGTGGGAAGT
AATGTCATTTGGAGAGAGACCTTACTGGGATATGTCCAATCAAGATGTCATCAATGCCATTGAGCAGGAC
TACCGGCTGCCCCCTCTATGGACTGCCAGCTGCCCTGCACCAGCTCATGCTGGACTGTTGGCAGAAGG
ATCGAAATAGCCGGCCCCGTTTTGCAGAGATCGTCAACACCCTGGACAAGATGATCCGGAACCCAGCTAG
TCTCAAGACTGTGGCAACCATCACCGCTGTGCCTTCCCAACCCCTGCTTGACCGCTCTATCCCAGACTTC
ACGGCCTTTACCACCGTGGATGACTGGCTAAGTGCCATCAAAATGGTCCAGTACAGGGACAGCTTCTCTCA
CCGCTGGCTTACCTCCCTCCAGCTGGTCAACCAGATGACATCAGAAGACCTCCTGAGAATAGGGGTAC
CTTGGCAGGCCATCAGAAGAAGATTCTTAGCAGCATCCACTCGATGAGGGTCCAGATGAACCAGTACCCG
TCGGTAATGGCATGA
    
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**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_001104528
- Insert Size:** 2955 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\\_001104528.1](#), [NP\\_001097998.1](#)
- RefSeq Size:** 4625 bp
- RefSeq ORF:** 2955 bp
- Locus ID:** 24338

UniProt ID: [P09759](#)

Cytogenetics: 8q32

Gene Summary: brain-specific receptor tyrosine kinase with an elk coding sequence [RGD, Feb 2006]