

Product datasheet for RN217434

Epha5 (NM_001169137) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epha5 (NM_001169137) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Epha5
Synonyms:	EHK-1; Els1; Els1.
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN217434 representing NM_001169137 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGGGGCTCCGGGCCCGGGTGCGGGACGCCGACGGACCCAGGGCAGAGGTGGCGGGCGGACACCC
CCCGCTCCCTGCCTCTCTGGCAGGCTGCTATTCGCACCTCTAAAGGGGCCCTCTGGACGTGCCTTCT
CCTGTGTGCGGCGCTCCGGACCTTTTGGCCAGCCCCAGTAACGAAGTGAATTTATTGGATTGCGCACT
GTCTGGGAGACCTTGGATGGATTGCTTTTCCAAGAATGGGTGGGAAGAGATTGGTGAAGTTGATGAAA
ACTATGCCCCATCCACACCTATCAAGTGTGCAAAGTTATGGAACAGAATCAGAATAATTGGCTGTTGAC
CAGTTGGATCTCTAACGAAGGTGCTTCCAGAATTTTATTGAACTCAAGTTACTCTGAGGGATTGCAAC
AGCCTTCTGGAGGACTGGGACTTGAAGGAGACCTTTAACATGTATTATTTGAGTCCGGATGATGAGA
ATGGGAGAAAATCAAAGAGAACCAGTACATCAAGATCGATACCATTTGCTGCTGATGAGAGCTTCACCGA
ACTTGACCTTGGAGACCGGGTCATGAAGCTGAATACGGAGGTCAGAGATGTAGGACCTCTGAGCAAAAAG
GGATTTTATCTTGCTTCCAAGATGTCGGTGTTCATCGCTCTGTTTCTGTCCGTGTCTACTATAAAA
AATGTCCTTCTGTAGTTAGACATTTGGCTGTTTCCCTGACACGATCACTGGAGCAGATTCTCCAGTT
GCTAGAGGTGTCAGGCTCCTGCGTCAACCATTCTGTGACAGACGATCCTCCAAAATGCATTGCAGTGT
GAAGGGAGTGGCTGGTTCCCATCGGAAATGCATGTGCAAGGCCGGATATGAAGAGAAAAATGGTACCT
GTCAAGTGTGCAGACCTGGTTCTTCAAAGCCTCTCCTCACAGCCAGACCTGCAGCAAAATGTCCACCTCA
CAGTTACACCCATGAGGAAGCTTCCACCTCTTGTGTCTGTGAAAAGGATTATTTGAGGAGGAATCTGAT
CCGCCCCAATGGCATGCACAAGACCCCTCAGCTCCTCGGAATGCCATCTCAAATGTTAATGAAACTA
GTGTCTTTCTGGAGTGGATTCTCCTGCTGACACTGGTGGACGAAAGATGTGTCCTATTACATTGCATG
CAAGAAGTGAACCTCCCATGCAGGTGTGTGTGAGGAGTGTGGCGGTATGTGAGGTACCTCCCCAGCAA
ATCGGCCTGAAAAATACCTCTGTGATGATGGCGGACCTCCTTGTCTCACACAACTATACCTTTGAAATTG
AGGCAGTGAACGGAGTTCCGACTTGAGTCCAGGCACCCGGCAGTATGTGTCTGTAATGTAACACGAA
CCAAGCAGCTCCTTCTCCAGTACCAACGTGAAGAAGGGGAAGATCGCAAGAACAGCATTCTTTGTCT



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TGGCAAGAGCCAGATCGCCCAATGGGATCATCTGGAGTACGAAATCAAGTACTTTGAAAAGGACCAAG
 AGACCAGCTACACAATTATCAAGTCTAAAGAGACCACTATTACGGCAGAGGGCCTGAAACCTGCGTCTGT
 GTATGTCTTCCAAATTCGAGCACGTACAGCAGCAGGCTACGGCGTCTTCAGTCGACGGTTTGAGTTTAA
 ACCACACCAGTGTTCGAGCATCTAATGATCAAAGCCAGATCCCATCATTGCGGTGTCAGTGACGGTGG
 GAGTCATCTTGTGGCAGTGATGATCGGCTTCTCCTCAGTGGCAGTTGCTGCGAATGTGGCTGTGGGAG
 GGCTTCTCCCTGTGCGCTGTTGCCATCCAAGCCTAATATGGCGGTGTGGCTACAGCAAAGCAAAGCAG
 GATCCAGAAGAGAAAAGATGCACTTTTCATAACGGGCACATTAAGTCCAGGAGTAAGAACGTACATTG
 ATCCACACACCTACGAAGATCCCCTCAAGCCGTTTCATGAATTTGCCAAGGAGATCGAGGCCTCATGCAT
 CACCATTGAGAGAGTTATTGGAGCAGGTGAATTTGGTGAAGTTTGTAGTGGACGTTTGAACCTACCCGGA
 AAAAGAGAATTGCCTGTGGCTATCAAACTCTTAAAGTAGGCTACACTGAAAAGCAGCGCAGAGATTTTC
 TGAGTGAAGCGAGTATCATGGGGCAGTTTGATCATCCAAACATCATCCATCTAGAAGGCCTTGTGACTAA
 AAGTAAACCTGTGATGATGAGTACAGAGTACATGGAGAATGGCTCCTTAGACACATTTTTAAAGAAAAAC
 GATGGCCAGTTCAGTGTATTGAGTGTGGCATGCTGAGAGGCATCGCTGCAGGAATGAAGTACCTTT
 CTGACATGGGCTACGTGCACAGAGACCTTGCTGCTAGAAACATCTTAATCAACAGTAACCTTGTGTGCAA
 AGTGTCTGACTTTGGACTTTCCAGGGTCTGGAAGATGATCCTGAGGCAGCCTATACCACAAGGGGAGGC
 AAAATTCGAATCAGGTGGACTGCTCCAGAAGCAATAGCTTTTCGAAAGTTTACCTCTGCCAGTGTGCT
 GGAGCTATGGAATCGTAATGTGGGAAGTTGTGTCCTATGGAGAGAGACCGTACTGGGAGATGACCAATCA
 GGATGTGATCAAGGCAGTGAAGAAGGCTACCGCCTGCCAAGCCCATGGATTGTCTGCTGCCCTCTAT
 CAATTAATGCTGGATTGCTGGCAGAAAGATCGCAACAGCAGGCCCAAGTTTGATGACATAGTCAACATGC
 TGGATAAGCTGATACGAAACCAAGTAGTTTGAAGACTGGTGAACGCGTCAAGCAGGGTATCTACTTT
 GTTGGCAGAACATGGATCTTTGGGGTCTGGGCCTACAGATCAGTAGGTGAATGGCTAGAAGCAATCAA
 ATGGGCCGGTACACAGAGATTTTCATGGAAAATGGATACAGTTCAATGGACGCTGTGGCTCAGGTGACCT
 TGGAGGATTTGAGACGCCTGGGAGTACTCTGGTCGGTACCAGAAGAAGATCATGAACGCCTTCAAGA
 GATGAAGGTGCAGCTGGTAAACGGGATGGTGCCAGTGA

AGCGGACCGACGCTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-RsrII
- ACCN:** NM_001169137
- Insert Size:** 3120 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_001169137.2](#), [NP_001162608.1](#)

RefSeq Size: 8059 bp

RefSeq ORF: 3120 bp

Locus ID: 79208

Cytogenetics: 14p21

Gene Summary: receptor tyrosine kinase; may have a role in both the development and maintenance of differentiated neurons [RGD, Feb 2006]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments and orthologous data.