

## Product datasheet for **RN217305**

### **Epha5 (NM\_024367) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Epha5 (NM_024367) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Epha5
Synonyms:	EHK-1; Els1; Els1.
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN217305 representing NM\_024367  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCGGGGCTCCGGGCCCGCGGTGCGGGACGCCGACGGACCCAGGGCAGAGGTGGCGGGCGGACACCC  
 CCCGCGTCCCTGCCTCTCTGGCAGGCTGCTATTCGCACCTCTAAAGGGGCCCTCTGGACGTGCCTTCT  
 CCTGTGTGCGGCGCTCCGGACCCTTTTGGCCAGCCCCAGTAACGAAGTGAATTTATTGGATTTCGCGCACT  
 GTCCTGGGAGACCTTGGATGGATTGCTTTTCCAAAGAATGGGTGGGAAGAGATTGGTGAAGTTGATGAAA  
 ACTATGCCCCATCCACACCTATCAAGTGTGCAAAGTTATGGAACAGAATCAGAATAATTGGCTGTTGAC  
 CAGTTGGATCTCTAACGAAGGTGCTTCCAGAATTTTTATTGAACTCAAGTTACTCTGAGGGATTGCAAC  
 AGCCTTCTGGAGGACTGGGGACTTGAAGGAGACCTTAAACATGTATTATTTGAGTCCGATGATGAGA  
 ATGGGAGAAATATCAAAGAGAACCAGTACATCAAGATCGATACCATTGCTGCTGATGAGAGCTTCACCGA  
 ACTTGACCTTGGAGACCGGGTCATGAAGCTGAATACGGAGGTCAGAGATGTAGGACCTCTGAGCAAAAAG  
 GGATTTTATCTTGCTTTCCAAGATGTCGGTGCCTGCATCGCTCTGGTTTCTGTCCGTGTCTACTATAAAA  
 AATGTCCTTCTGTAGTTAGACATTTGGCTGTTTTCCCTGACACGATCACTGGAGCAGATTCTTCCAGTT  
 GCTAGAGGTGTCAGGCTCCTGCGTCAACCATTCTGTGACAGACGATCCTCCAAAATGCATTGCAGTGT  
 GAAGGGGAGTGGCTGGTCCCATCGGAAATGCATGTGCAAGGCCGGATATGAAGAGAAAAATGGTACCT  
 GTCAAGTGTGACAGCTGGGTTCTTCAAAGCCTCTCCTCACAGCCAGACCTGCAGCAATGTCCACCTCA  
 CAGTTACACCCATGAGGAAGCTTCCACCTCTTGTGTCTGTGAAAAGGATTATTTGAGGAGGAATCTGAT  
 CCGCCCAATGGCATGCACAACCTCTTCCAGTACCAACGTGAAGAAGGGGAAAAATCGCAAAGAACA  
 GCATTTCTTTGCTTGGCAAGAGCCAGATCGCCCAATGGGATCATCTGGAGTACGAAATCAAGTACTT  
 TGAAAAGGACCAAGAGACCAGCTACACAATTATCAAGTCTAAAGAGACCACTATTACGGCAGAGGGCCTG  
 AAACCTGCGTCTGTGTATGTCTTCAAATTCGAGCACGTACAGCAGCAGGCTACGGCGTCTTCAGTCGAC  
 GGTTTGTAGTTTAAAACACACCAGTGTTCGAGCATCTAATGATCAAAGCCAGATTCCCATTATTGCGGT  
 GTCAGTGACGGTGGGAGTCATCTTGTGGCAGTGTGATCGGCTTCTCCTCAGTGGCAGTTGTGCGAA  
 TGTGGCTGTGGGAGGCTTCTTCCCTGTGCGCTTGGCCATCCAAGCCTAATATGGCGGTGTGGCTACA  
 GCAAAGCAAAGCAGGATCCAGAAGAGGAAAAGATGCACTTTCATAACGGGCACATTAACCTGCCAGGAGT  
 AAGAACGTACATTGATCCACACCTACGAAGATCCCCTCAAGCCGTTTCAATTTGCCAAGGAGATC  
 GAGGCCTCATGCATCACCATTGAGAGAGTTATTGGAGCAGGTGAATTTGGTGAAGTTTGTAGTGGACGTT  
 TGAAACTACCCGAAAAAGAGAATTGCCTGTGGCTATCAAACCTTAAAGTAGGCTACACTGAAAAGCA  
 GCGCAGAGATTTTCTGAGTGAAGCGAGTATCATGGGGCAGTTTGTATCCTCAAACATCATCCATCTAGAA  
 GGCGTTGTGACTAAAAGTAAACCTGTGATGATAGTGACAGAGTACATGGAGAATGGCTCCTTAGACACAT  
 TTTTAAAGAAAAACGATGGCCAGTTCAGTGTGATTGAGCTTGTGGCATGCTGAGAGGCATCGCTGCAGG  
 AATGAAGTACCTTTCTGACATGGGCTACGTGCACAGAGACCTTGTGCTAGAAACATCTAATCAACAGT  
 AACCTTGTGTCAAAGTGTCTGACTTTGGACTTCCAGGGTCTGGAAGATGATCCTGAGGCAGCCTATA  
 CCACAAGGGGAGGCAAAATCCAATCAGGTGGACTGCTCCAGAAGCAATAGCTTTTCGAAAGTTTACCTC  
 TGCCAGTGTCTGGAGCTATGGAATCGTAATGTGGGAAGTTGTGCTTATGGAGAGAGACCGTACTGG  
 GAGATGACCAATCAGGATGTGATCAAGGCAGTGAAGAAGGCTACCGCCTGCCAAGCCCCATGGATTGTC  
 CTGCTGCCCTCTATCAATTAATGCTGGATTGCTGGCAGAAAGATCGCAACAGCAGGCCCAAGTTTGTGTA  
 CATAGTCAACATGCTGGATAAGCTGATACGAAACCCAAGTAGTTTGAAGACACTGGTGAACGCGTCAAGC  
 AGGGTATCTACTTTGTTGGCAGAACATGGATCTTTGGGGTCTGGGGCCTACAGATCAGTAGGTGAATGGC  
 TAGAAGCAATCAAATGGGCCGGTACACAGAGATTTTCATGGAAAATGGATACAGTTCAATGGACGCTGT  
 GGCTCAGGTGACCTTGGAG**TGA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-RsrII  
**ACCN:** NM\_024367

<b>Insert Size:</b>	2682 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_024367.1</a></u> , <u><a href="#">NP_077343.1</a></u>
<b>RefSeq Size:</b>	3464 bp
<b>RefSeq ORF:</b>	2682 bp
<b>Locus ID:</b>	79208
<b>UniProt ID:</b>	<u><a href="#">P54757</a></u>
<b>Cytogenetics:</b>	14p21
<b>Gene Summary:</b>	<p>receptor tyrosine kinase; may have a role in both the development and maintenance of differentiated neurons [RGD, Feb 2006]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the central coding region and uses an alternate splice pattern in the 3' coding region, compared to variant 1. The resulting isoform (2) lacks an internal segment and has a shorter and distinct C-terminus, compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>