

## Product datasheet for **SC116861**

### Eph receptor A1 (EPHA1) (NM\_005232) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Eph receptor A1 (EPHA1) (NM_005232) Human Untagged Clone
Tag:	Tag Free
Symbol:	Eph receptor A1
Synonyms:	EPH; EPHT; EPHT1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:**

```
>OriGene ORF sequence for NM_005232 edited
ATGGAGCGGCGCTGGCCCTGGGGCTAGGGCTGGTGTCTGCTGCTCTGCGCCCCGCTGCC
CCGGGGGCTCACGCCAAGGAAGTTACTCTGATGGACACAAGCAAGGCACAGGGAGAGCTG
GGCTGGCTGTGGATCCCCAAAAGATGGGTGGAGTGAACAGCAACAGATACTGAATGGG
ACACCCCTGTACATGTACCAGGACTGCCAATGCAAGGACGCAGAGACTGACCACTGG
CTTCGCTCCAATTGGATCTACCGCGGGGAGGAGCTTCCCGCTCCACGTGGAGCTGCAG
TTCACCGTGGGACTGCAAGAGTTTCCCTGGGGGAGCCGGCCCTCTGGGCTGCAAGGAG
ACCTTCAACCTTCTGTACATGGAGAGTGACCAGGATGTGGGCATTAGCTCCGACGGCC
TTGTTCCAGAAGTAACACGGTGGCTGCAGACCAGAGCTTACCATTGAGACCTTGCG
TCTGGCTCCGTGAAGCTGAATGTGGAGCGCTGCTCTGGGCCGCTGACCCGCGTGGC
CTTACCTCGCTTCCACAACCCGGGTGCCTGTGTGGCCCTGGTGTCTGTCCGGTCTTC
TACCAGCGCTGTCTGAGACCCTGAATGGCTTGGCCCAATCCCAGACACTCTGCCTGGC
CCCCTGGGTTGGTGAAGTGGCGGGGACCTGCTTGGCCACGCGCGGGCCAGCCCAGG
CCCTCAGGTGCACCCCGCATGCACTGCAGCCCTGATGGCGAGTGGCTGGTGCCTGTAGGA
CGGTGCCACTGTGAGCCTGGCTATGAGGAAGGTGGCAGTGGCGAAGCATGTGTTGCCTGC
CCTAGCGGCTCCTACCGATGGACATGGACACACCCCATTTGTCTACGTGCCCCAGCAG
AGCACTGTGAGTCTGAGGGGGCCACCATCTGTACCTGTGAGAGCGGCCATTACAGAGCT
CCCGGGGAGGGCCCCAGGTGGCATGCACAGGTCCCCCTCGGCCCCCGAAACCTGAGC
TTCTCTGCCTCAGGGACTCAGCTCTCCCTGCGTTGGGAACCCCAAGCAGATACGGGGGA
CGCCAGGATGTCAGATACAGTGTGAGGTGTTCCAGTGTGAGGGCACAGCACAGGACGGG
GGGCCCTGCCAGCCCTGTGGGTGGCGTGCACCTCTCGCGGGGGCCCGGGGGCTCACC
ACACCTGCAGTGCATGTCAATGGCCTTGAACCTTATGCCAACTACACCTTAAATGTGGAA
GCCCAAAATGGAGTGTGAGGCTGGCAGCTCTGGCCATGCCAGCACCTCAGTCAGCATC
AGCATGGGGCATGCAGAGTCACTGTGAGCCTGTCTCTGAGACTGGTGAAGAAAGAACC
AGGCAACTAGAGCTGACCTGGGCGGGTCCCGGCCCAAGCCCTGGGGCAACCTGACC
TATGAGCTGCACGTGCTGAACCAGGATGAAGAACGGTACCAGATGGTTCTAGAACCAGG
GTCTTGTGACAGAGCTGCAGCCTGACACCACATACATCGTCAGAGTCCGAATGTGACC
CCACTGGGTCTGGCCCTTCTCCCTGATCATGAGTTTCGGACCAGCCACCAGTGTCC
AGGGCCCTGACTGGAGGAGAGATTGTAGCCGTCATCTTTGGGCTGCTGCTGGTGCAGCC
TTGCTGCTGGGATTCTCGTTTTCCGGTCCAGGAGAGCCAGCGGAGAGGCAGCAGAGG
CAGCGTGACCGGCCACCGATGTGGATCGAGAGGACAAGCTGTGGCTGAAGCCTTATGTG
GACCTCCAGGCATACGAGGACCCTGCACAGGGAGCCTTGACTTTACCCGGGAGCTTGAT
CCAGCGTGGCTGATGGTGGACACTGTCATAGGAGAAGGAGAGTTGGGGAAGTGTATCGA
GGGACCCTGAGGCTCCCCAGCCAGGACTGCAAGACTGTGGCCATTAAGACCTTAAAGAC
ACATCCCCAGGTGGCCAGTGGTGGAACTTCCCTCGAGAGGCAACTATCATGGGCCAGTTT
AGCCACCCGCATATTCTGCATCTGGAAGGCGTCGTACAAAGCGAAAGCCGATCATGATC
ATCACAGAATTTATGGAGAATGGAGCCCTGGATGCCTTCTGAGGGAGCGGGAGGACCAG
CTGGTCCCTGGGAGCTAGTGGCCATGCTGCAGGGCATAGCATCTGGCATGAACTACCTC
AGTAATCACAATTTATGTCCACCCGGACCTGGCTGCCAGAAACATCTTGGTGAATCAAAAC
CTGTGCTGCAAGGTGTCTGACTTTGGCCTGACTCGCCTCCTGGATGACTTTGATGGCACA
TACGAAACCCAGGGAGGAAGATCCCTATCCGTTGGACAGCCCTGAAGCATTGCCCAT
CGGATCTTACCACAGCCAGCGATGTGTGGAGCTTTGGGATTGTGATGTGGGAGGTGCTG
AGCTTTGGGGACAAGCCTTATGGGGAGATGAGCAATCAGGAGGTTATGAAGAGCATTGAG
GATGGGTACCGGTTGCCCTCCTGTGGACTGCCCTGCCCTCTGTATGAGCTCATGAAG
AACTGTGGGCATATGACCGTCCCGCCGGCCACACTTCCAGAAGCTTCAGGCACATCTG
GAGCAACTGCTTGCCAACCCCACTCCCTGCGGACCATTGCCAACTTTGACCCAGGGTG
ACTCTTCGCTGCCAGCCTGAGTGGCTCAGATGGGATCCCGTATCGAACCGTCTCTGAG
TGGCTCGAGTCCATACGCATGAAACGCTACATCCTGCACTTCCACTCGGCTGGGCTGGAC
ACCATGGAGTGTGTGCTGGAGCTGACCGCTGAGGACCTGACGCAGATGGGAATCACACTG
CCCGGGCACCAAGCGCATTCTTTCAGTATTCAAGGATTCAAGGACTGA
```

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_005232 unedited  
 GCCCAAAATGGCGCCTGCCTNCCGGGCCACTGTNCCCAGTNCCCAGCCGCGCCGNACTATG  
 GAGCGGCGCTGGCCCTGGGGCTAGGGCTGGTGTCTGTCTGTCTGCGCCCCGCTGCCCCCG  
 GGGGCTCACGCCAAGGAAGTTACTCTGTATGGACACAAGCAAGGCACAGGGAGAGCTGGGC  
 TGGCTGTGGATCCCCAAAAATGGGTGGAGTGAACAGCAACAGATACTGAATGGGACAC  
 CCCTGTACATGTACCAGGACTGCCAATGCAAGGACGCAGAGACTGACCACTGGCTTC  
 GGTCCAATTGGATCTACCAGGGGAGGAGGCTTCCCGCGTCCACGTGGAGCTGCAGTTCA  
 CCGTGCGGGACTGCAAGAGTTTCCCTGGGGGAGCCGGCCCTCTGGGCTGCAAGGAGACCT  
 TCAACCTTCTGTACATGGAGAGTGACCAGGATGTGGGCATTTCAGCTCCGACGCCCCTTGT  
 TCCAGAAGGTAACCACGGTGGCTGCAGACCAGAGCTTACCATTTCGAGACCTTGGCTGTG  
 GCTCCGTGAAGCTGAATGTGGAGCGCTGCTCTCTGGGCCGCTGACCCGCGTGGCTCT  
 ACCTCGCTTCCACAACCCGGTGCCTGTGTGGCCCTGGTGTCTGTCCGGGTCTTCTACC  
 AGCGCTGTCTGAGACCCTGAATGGCTTGGCCCAATCCCAGACTCTGCCTGGCCCCG  
 CTGGGTTGGTGAAGTTGGCGGGAACCTGCTTGGCCCCAGCGGGGCAACCCAGGCC  
 TCAGGTGCACCCGCATGACTGCAGCCCTGATGGCGAGTGGCTGGTGCCTGTTAGACGT  
 GGCACTGTGAGCCTGGCTTGAAGAAGGTGGCAATGCCAAACATGGGTTGCCTGCCCTAAG  
 GGCTCCTACCGGAAGGCATGGACAC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_005232 unedited  
 NAAAATACTGTGNACCGCGCCCGCATTCTANNGATCGATTTTTTTTTTTTTTTTTTTTTT  
 TAGTGCCTGCAGCCCTCATGGGTGGGATGGAGGCAGAAAATCAGTTCCTGTTTATTTACA  
 AAAATATATATATGTGTATGTATATATATTAACCCCTCAGCTCCCTCCCATGATCA  
 TCCTTTTACTTCTACCCACCTCCCTTTTAAACAAAGAGGTTTTCTGGGGTGCAGAGC  
 AGGGTTCTCTGAAAGTGGGCAGAAAGCAGCACCAGATAGCCTAATCTGGCAGGTTGTGGGA  
 AGGGGCGCAGGGAGTGACCATGAGCGACCTTGGCCCCGCTCTTGCCTTGCACCCTGAT  
 TGGGCATGGGGTGGAGGAGGGATCAGTCCCTGAATCCCTGAATACTGCAAGAATGCAGC  
 TTCTGGTGCCTGGCAGTGTGATCCCCTGCGTCAGTCCCTCAGCGGTGAGCTCCAGC  
 ACACACTCCATGGTGTCCAGCCAGCCGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT  
 ATGGACTCGAGCCACTCAGAGACGGTTCGATACGGGATCCCATCTGAGCCACTCAGGCTG  
 GCCAAGCAAAAAATCACCTGAGGTCCAATTTGGCAATGGTCCGCAAGGAGTGGGGGTTG  
 GCCAGCAGTTGCTCCAGATGTTCTGAATCTTCTGGAATTTGGCCAGCCGGCACGGTCA  
 TATGCCCAACCAATTCTTATAAGCTCATACCGAGGGGCAGGGCATTCCACAAGAGGGGGC  
 ACACCGGTGCCCATACCACATGCTTTCATAACCTCCTGATTGCCGATCCTCCAAAAGG  
 GCTGTACCCGAAACTAACCACTCCCAACAGATCCCAAAGTCCCCCATCCCTGGCTGG  
 GTGAAGAATCCACCGCCAGGCATACAGACCTCTAACGGATAGGT

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_005232

**Insert Size:**

3400 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).

<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>	<a href="#">NM_005232.3</a> , <a href="#">NP_005223.3</a>
<b>RefSeq Size:</b>	3369 bp
<b>RefSeq ORF:</b>	2931 bp
<b>Locus ID:</b>	2041
<b>UniProt ID:</b>	<a href="#">P21709</a>
<b>Cytogenetics:</b>	7q34-q35
<b>Protein Families:</b>	Druggable Genome, Protein Kinase, Transmembrane
<b>Protein Pathways:</b>	Axon guidance
<b>Gene Summary:</b>	<p>This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in the nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. This gene is expressed in some human cancer cell lines and has been implicated in carcinogenesis. [provided by RefSeq, Jul 2008]</p>