

## Product datasheet for **SC337756**

### Eph receptor A7 (EPHA7) (NM\_001288629) Human Untagged Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | Eph receptor A7 (EPHA7) (NM_001288629) Human Untagged Clone |
| Tag:                      | Tag Free  |
| Symbol:                   | EPHA7   |
| Synonyms:                 | EHK-3; EHK3; EK11; HEK11                                    |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-Entry (PS100001)                                      |
| E. coli Selection:        | Kanamycin (25 ug/mL)  |



[View online »](#)

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001288629, the custom clone sequence may differ by one or more nucleotides

```

ATGGTTTTTCAAACCTCGGTACCCTTCATGGATTATTTTATGCTACATCTGGCTGCTCCGCTTTGCACACA
CAGGGGAGGCGCAGGCTGCGAAGGAAGTACTACTGCTGGATTCTAAAGCACAACAACAGAGTTGGAGTG
GATTTCTCTCCACCCAATGGGTGGGAAGAAATTAGTGGTTTGGATGAGAACTATACCCCGATACGAACA
TACCAGGTGTGCCAAGTCATGGAGCCCAACCAAAACAACCTGGCTGCGGACTAACTGGATTCCAAAAGGCA
ATGCACAAAGGATTTTTGTAGAATTGAAATTCACCCTGAGGGATTGTAACAGTCTTCTGGAGTACTGGG
AACTTGAAGGAAACATTTAATTTGACTATTATGAAACAGACTATGACACTGGCAGGAATAAAGAGAA
AACCTCTATGTAATAATAGACACCATTGCTGCAGATGAAAGTTTTACCAAGGTGACCTTGGTGAAGAA
AGATGAAGCTTAACACTGAGGTGAGAGAGATTGGACCTTGTCCAAAAGGGATTCTATCTTGCCTTTCA
GGATGTAGGGCTTGCATAGCTTTGGTTTCTGTCAAAGTGTACTACAAGAAGTGTGTTCCATTATTGAG
AACTTAGCTATCTTTCCAGATACAGTACTGGTTCAGAATTTTCTCTTTAGTCGAGGTTGAGGGACAT
GTGTCAGCAGTGCAGAGGAAGAAGCGGAAAACGCCCCAGGATGCACTGCAGTGCAGAAGGAGAATGGTT
AGTGCCCATTTGAAAATGTATCTGCAAAGCAGGCTACCAGCAAAAAGGAGACACTTGTGAACCTGTGGC
CGTGGGTTCTACAAGTCTTCTCTCAAGATCTTCAAGTGTCTCGTTGTCCAACTCACAGTTTTTCTGATA
AAGAAGGCTCCTCCAGATGTGAATGTGAAGATGGGTATTACAGGGCTCCATCTGACCCACCATACGTTGC
GTGCACAAGGCCCTCCATCTGCACCACAGAACCTCATTTTCAACATCAACCAAAACCACAGTAAAGTTGGAA
TGGAGTCTCTCAGACAATGGGGGAAGAAACGATGTGACCTACAGAATATTGTGAAGCGGTGCAGTT
GGGAGCAGGGCGAATGTGTTCCCTGTGGGAGTAACATTGGATACATGCCCCAGCAGACTGGATTAGAGGA
TAACATGTCACTGTCTGGACCTGCTAGCCCACGTAATTATACTTTGAAGTTGAAGCTGTAATGGGA
GTTTCTGACTTAAGCCGATCCCAGAGGCTCTTTGCTGCTGTCAGTATCACCAGTGTCAAGCAGCTCCCT
CGCAAGTGAAGTGAAGTAATGAAGGAGAGAGTACTGCAGCGGAGTGTGAGCTTTCTGGCAGGAACGAGA
GCATCCCAATGGAGTCATCACAGAATATGAAATCAAGTATTACGAGAAAGATCAAAGGGAACGGACCTAC
TCAACAGTAAAAACCAAGTCTACTTCAGCCTCCATTAATAATCTGAAACCAGGAACAGTGTATGTTTTCC
AGATTCGGGCTTTTACTGCTGCTGGTTATGAAATTAACAGTCCCAGACTTGATGTTGCTACACTAGAGGA
AGCTACAGCTACAGCTGTCTCCAGTGAACAGAATCCTGTTATTATCATTGCTGTGGTTGCTGTAGCTGGG
ACCATCATTTTGGTGTTCATGGTCTTTGGCTTCATCATTGGGAGAAGGCACTGTGGTTATAGCAAAGCTG
ACCAAGAAGGCGATGAAGAGCTTTACTTTCAATTTAAATTTCCAGGCACCAAAACCTACATTGACCTGA
AACCTATGAGGACCCAAATAGAGCTGTCCATCAATTCGCCAAGGAGCTAGATGCCTCCTGTATTAATTA
GAGCGTGTGATTGGTGCAGGAGAATTCGGTGAAGTCTGCAGTGGCCGTTTGAACCTCCAGGAAAAGAG
ATGTTGCAGTAGCCATAAAAACCTGAAAGTTGGTTACACAGAAAAACAAGGAGAGACTTTTTGTGTGA
AGCAAGCATCATGGGGCAGTTTGAACCCGAATGTTGTCCATTTGGAAGGGGTTGTACAAGAGGGAAA
CCAGTCATGATAGTAATAGAGTTCATGGAAAATGGAGCCCTAGATGCATTTCTCAGGAAACATGATGGGC
AATTTACAGTCATTCAAGTGTAGTAGGAATGCTGAGAGGAATTGCTGCTGGAATGAGATATTTGGCTGAT
GGGATATGTTACAGGGACCTTGCAGCTCGCAATTTCTGTCAACAGCAATCTCGTTTGTAAAGTGTCA
GATTTTGGCCTGTCCCGAGTTATAGAGGATGATCCAGAAGCTGTCTATACAACTACTGGTGGAAAAATTC
CAGTAAGGTGGACAGCACCCGAAGCCATCCAGTACCGGAAATTCACATCAGCCAGTGTATGATGGAGCTA
TGGAAATAGTCATGTGGGAAGTTATGCTTATGGAGAAAAGACCTTATTGGGACATGTCAAATCAAGATGTT
ATAAAAGCAATAGAAGAAGGTTATCGTTTACCAGCACCCATGGACTGCCAGCTGGCCTTACCAGCTAA
TGTTGGATTGTTGGCAAAGGAGCGTGCTGAAAGGCCAAAATTTGAACAGATAGTTGGAATTTAGACAA
AATGATTCGAAACCCAAATAGTCTGAAAACCTCCCTGGGAACTTGTAGTAGGCAATAAGCCCTCTTCTG
GATCAAAACACTCCTGATTTCACTACCTTTTGTTCAGTTGGAGAATGGCTACAAGCTATTAAGATGGAAA
GATATAAAGATAATTTACGGCAGCTGGCTACAATTCCTTGAATCAGTAGCCAGGATGACTATTGAGGA
TGTGATGAGTTTAGGGATCACACTGGTTGGTCATCAAAGAAAATCATGAGCAGCATTGACTATGAGA
GCACAAATGCTACATTTACATGGAAGTGGCATTCAAGTGA
    
```

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001288629

|                               |  |
|-------------------------------|--|
| <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>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>                | <a href="#">NM_001288629.1</a> , <a href="#">NP_001275558.1</a>  |
| <b>RefSeq Size:</b>           | 6629 bp  |
| <b>RefSeq ORF:</b>            | 2982 bp  |
| <b>Locus ID:</b>              | 2045   |
| <b>UniProt ID:</b>            | <a href="#">Q15375</a>   |
| <b>Cytogenetics:</b>          | 6q16.1   |
| <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. Increased expression of this gene is associated with multiple forms of carcinoma. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region, compared to isoform 1, and encodes a shorter isoform (2), compared to isoform 1.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p> |