

Product datasheet for **SC306893**

EPHA10 (NM_173641) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | EPHA10 (NM_173641) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | EPHA10 |
| Vector: | <u>pCMV6 series</u> |
| Fully Sequenced ORF: | <p>>NCBI ORF sequence for NM_173641, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGGAGACCTGCGCCGGTCCACACCCGCTGCGCCTCTTCCTCTGCCGGATGCAGCTCTGT CTCGCGCTGCTTTTGGGACCCCTGGCGGCCTGGGACCGCCGAGGAAGTTATCCTCCTGGAT TCCAAAGCCTCCCAGGCCGAGCTGGGCTGGACTGCACTGCCAAGTAATGGGTGGGAGGAG ATCAGCGGCGTGGATGAACACGACCGTCCCATCCGCACGTACCAAGTGTGCAATGTGCTG GAGCCCAACCAGGACAACCTGGCTGCAGACTGGCTGGATAAGCCGTGGCCGCGGGCAGCGC ATCTTCGTGGAAGTGCAGTTCACACTCCGTGACTGCAGCAGCATCCCTGGCGCCGCGGGT ACCTGCAAGGAGACCTTCAACGTCTACTACCTGGAACTGAGGCCGACCTGGGCCGTGGG CGTCCCCGCCTAGGCGGCAGCCGGCCCCGCAAAATCGACACGATCGCGGCGGACGAGAGC TTCACGCAGGGCGACCTGGGTGAGCGCAAGATGAAGCTGAACACAGAGGTGCGCGAGATC GGACCGCTCAGCCGGCGGGGTTCCACCTGGCCTTTCAGGACGTGGGCGCATGCGTGGCG CTTGCTCTCGGTGCGCGTCTACTACAAGCAGTGCCGCGCCACCGTGCGGGGCTGGCCACG TTCCCAGCCACCGCAGCCGAGAGCGCCTTCTCCACACTGGTGGAAGTGGCCGGAACGTGC GTGGCGCACTCGGAAGGGGAGCCTGGCAGCCCCCACGCATGCACTGCGGCGCCGACGGC GAGTGGCTGGTGCCTGTGGGCCGCTGCAGCTGCAGCGCGGGATTCCAGGAGCGTGGTGAC TTCTGCGAAGGTATCCAGTTGGCTGGGGGCCGTGGGTGGGAGTGTAG </pre> |
| Restriction Sites: | Please inquire |
| ACCN: | NM_173641 |
| 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: | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA. |
| 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). |


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| Reconstitution Method: | <ol style="list-style-type: none"> 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: | <u>NM_173641.1, NP_775912.1</u> |
| RefSeq Size: | 2020 bp |
| RefSeq ORF: | 888 bp |
| Locus ID: | 284656 |
| UniProt ID: | <u>Q5JZY3</u> |
| Cytogenetics: | 1p34.3 |
| Protein Families: | Druggable Genome, Protein Kinase |
| Gene Summary: | <p>Ephrin receptors, the largest subfamily of receptor tyrosine kinases (RTKs), and their ephrin ligands are important mediators of cell-cell communication regulating cell attachment, shape, and mobility in neuronal and epithelial cells (Aasheim et al., 2005 [PubMed 15777695]). See MIM 179610 for additional background on Eph receptors and ephrins.[supplied by OMIM, Mar 2008]</p> <p>Transcript Variant: This variant (2) contains only the first three exons and some of the third intron compared to variant 3. The resulting isoform (2) has a shorter and distinct C-terminus compared to isoform 3. Sequence Note: This sequence has been modified as follows: removed 16 bp suspected to be vector contamination from the 5' end.</p> |