

## Product datasheet for **SC335858**

### Eph receptor A6 (EPHA6) (NM\_001278300) Human Untagged Clone

#### Product data:

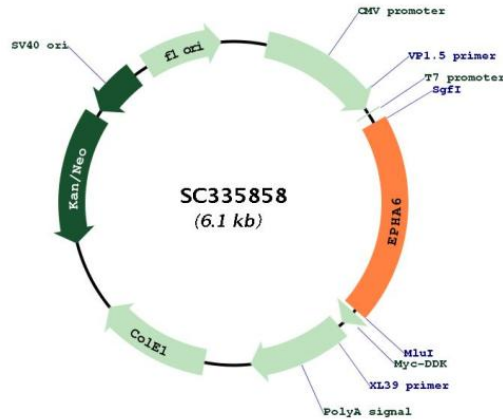
Product Type:	Expression Plasmids
Product Name:	Eph receptor A6 (EPHA6) (NM_001278300) Human Untagged Clone
Tag:	Tag Free
Symbol:	EPHA6
Synonyms:	EHK-2; EHK2; EK12; EPA6; HEK12; PRO57066
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335858 representing NM_001278300. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAAGACTCTCCATTTCAAGTGACAAAAGTACTGGCTTAATGAAAAGTGGGACTTTATTGCCTCA
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CCAGGGAAAAGAGAGATCCAGTTGCCATTAAGCTTTGAAAGGTGGCCACATGGATCGGCAAAGAAGA
GATTTTCTAAGAGAAGCTAGTATCATGGGCCAGTTTGACCATCCAACATCATTGCGCTAGAAGGGTT
GTCACCAAAGATCCTTCCCGGCCATTGGGGTGGAGGCGTTTTGCCCCAGCTTCTGAGGGCAGGGTTT
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AGACCAGTAATGATTGTGGTGAATATATGGAGAATGGATCCCTAGACTCCTTTTGGCGAAGCATGAT
GGCCACTTCACAGTCATCCAGTTGGTCGGAATGCTCCGAGGCATTGCATCAGGCATGAAGTATCTTCT
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AGTGGCCAGACCAGAAAGCAATGTGACAAGAGAGATAACCCTCCAACAGACCTCTTCCAACCTCTAACA
CTTAACCTCTGCTATTCTGCATTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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**Plasmid Map:**


**ACCN:** NM\_001278300

**Insert Size:** 1197 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).

**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\\_001278300.1](#)

**RefSeq Size:** 1746 bp

**RefSeq ORF:** 1197 bp

**Locus ID:** 285220

**UniProt ID:** [Q9UF33](#)

**Cytogenetics:** 3q11.2

**Protein Families:** Druggable Genome, Protein Kinase, Transmembrane

**Protein Pathways:** Axon guidance

**MW:** 44.5 kDa

**Gene Summary:** Receptor tyrosine kinase which binds promiscuously GPI-anchored ephrin-A family ligands residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling (By similarity).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (3) contains multiple differences at the 5' and 3' ends, compared to variant 1. It represents use of an alternate promoter and initiates translation at an alternate start codon. The encoded isoform (c) is shorter and has distinct N- and C-termini, compared to isoform a.