

Product datasheet for **SC309198**

Eph receptor A6 (EPHA6) (NM_173655) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eph receptor A6 (EPHA6) (NM_173655) Human Untagged Clone
Tag:	Tag Free
Symbol:	Eph receptor A6
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:	>SC309198 representing NM_173655. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGAAAGACTCTCCATTTCAAGTGACAAAACTGTACTGGCTTAATGAAAAGTGGGACTTTATTGCCTCA
GTTTCTGACATGGCAGCAGAACAAGGACAGATTCTCGTGATAGCCACCGCGCTGTTGGCGGATTCACT
CTCCTCGTCATCCTCACTTTATTCTTCTTGATCACTGGGAGATGTCAGTGGTACATAAAAGCCAAGATG
AAGTCAGAAGAGAAGAGAAGAAACCACTTACAGAATGGGCATTTGCGCTTCCCGGAATTAACCTTAC
ATTGATCCAGATACATATGAAGACCCATCCCTAGCAGTCCATGAATTTGCAAAGGAGATTGATCCCTCA
AGAATTCGTATTGAGAGAGTCATTGGGGCAGGTGAATTTGGAGAAGTCTGTAGTGGCGTTTGAAGACA
CCAGGGAAAAGAGAGATCCAGTTGCCATTAACCTTTGAAAGGTGGCCACATGGATCGGCAAAGAAGA
GATTTTCTAAGAGAAGCTAGTATCATGGGCCAGTTTGACCATCCAACATCATTGCGCTAGAAGGGTT
GTCACCAAAGATCCTTCCCGGCCATTGGGGTGGAGGCGTTTTGCCCCAGCTTCTGAGGGCAGGGTTT
TAAATAGCATCCAGGCCCGCATCCAGTGCCAGGGGGAGGATCTTTGCCCCAGGATTCTGTGCTGGC
AGACCAGTAATGATTGTGGTGAATATATGGAGAATGGATCCCTAGACTCCTTTTTCGGAAGCATGAT
GGCCACTTCACAGTCATCCAGTTGGTCGGAATGCTCCGAGGCATTGCATCAGGCATGAAGTATCTTCT
GATATGGGTTATGTTTCATCGAGACCTAGCGGCTCGGAATATACTGGTCAATAGCAACTTAGTATGCAAA
GTTTCTGATTTTGGTCTCTCCAGAGTGTGGAAGATGATCCAGAAGCTGCTTATACAACAACTGACCTC
TTCCAAACTCTAACACTTAACCTCTGCTATTCTGCATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_173655
Insert Size:	1005 bp



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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).
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:	NM_173655.1
RefSeq Size:	1670 bp
RefSeq ORF:	1005 bp
Locus ID:	285220
UniProt ID:	Q9UF33
Cytogenetics:	3q11.2
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane
Protein Pathways:	Axon guidance
MW:	37.3 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) 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 (b) is shorter and has distinct N- and C-termini, compared to isoform a.</p>