

Product datasheet for SC335749

Eph receptor A6 (EPHA6) (NM_001278301) Human Untagged Clone

Product data:

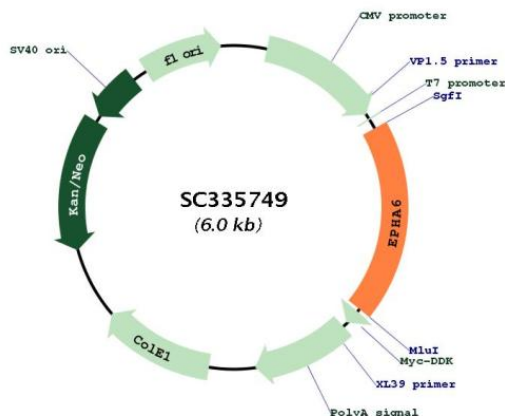
Product Type:	Expression Plasmids
Product Name:	Eph receptor A6 (EPHA6) (NM_001278301) Human Untagged Clone
Tag:	Tag Free
Symbol:	EPHA6
Synonyms:	EHK-2; EHK2; EK12; EPA6; HEK12; PRO57066
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335749 representing NM_001278301. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAATCCCCTCGCCTCCAGCCGCGAGGAGCTCCCGGCGCCGAGGCAGCGTCCTCCTCCGAAGCA
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001278301

Insert Size: 1140 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_001278301.1](#)

RefSeq Size: 1306 bp

RefSeq ORF: 1140 bp

Locus ID: 285220

Cytogenetics: 3q11.2

Protein Families: Druggable Genome, Protein Kinase, Transmembrane

Protein Pathways: Axon guidance

MW: 42.5 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 (4) lacks multiple 3' exons, and includes an alternate 3' exon, resulting in a distinct 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (d) is shorter and has a distinct C-terminus, compared to isoform a.