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Product datasheet for SC315863

Eph receptor A6 (EPHA6) (NM_001080448) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eph receptor A6 (EPHA6) (NM_001080448) Human Untagged Clone
Tag:	Tag Free
Symbol:	Eph receptor A6
Synonyms:	EHK-2; EHK2; EK12; EPA6; HEK12; PRO57066
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF sequence for NM_001080448 edited
ATGCAATTCCCCTCGCCTCCAGCCGCGAGGAGCTCCCCGGCGCCGCAGGCAGCGTCCTCC
TCCGAAGCAGCTGCACCTGCAACTGGGCAGCCTGGACCCTCGTGCCCTGTTCCCGGGACC
TCGCGCAGGGGGCGCCCCGGGACACCCCCTGCGGGCCGGGTGGAGGAGGAAGAGGAGGAG
GAGGAAGAAGACGTGGACAAGGACCCCCATCCTACCCAGAACACCTGCCTGCGCTGCCGC
CACTTCTCTTTAAGGGAGAGGAAAAGAGAGCCTAGGAGAACCATGGGGGGCTGCGAAGTC
CGGGAATTTCTTTTGCAATTTGGTTTCTTCTTGCCTCTGCTGACAGCGTGGCCAGGCGAC
TGCAGTCACGTCTCCAACAACCAAGTTGTGTTGCTTGATACAACAACTGTACTGGGAGAG
CTAGGATGGAAAACATATCCATTAAATGGGTGGGATGCCATCACTGAAATGGATGAACAT
AATAGGCCCATTCACACATACCAGGTATGTAATGTAATGGAACCAAACCAAAACAACTGG
CTTCGTACAAACTGGATCTCCCGTGATGCAGCTCAGAAAATTTATGTGGAAATGAAATTC
ACACTAAGGGATTGTAACAGCATCCCATGGGTCTTGGGGACTTGCAAAGAAACATTTAAT
CTGTTTTATATGGAATCAGATGAGTCCCACGGAATTAAATTCAAGCCAAACCAGTATACA
AAGATCGACACAATTGCTGCTGATGAGAGTTTTACCCAGATGGATTTGGGTGATCGCATC
CTCAAACTCAACACTGAAATTCGTGAGGTGGGGCCTATAGAAAGGAAAGGATTTTATCTG
GCTTTTCAAGACATTGGGGCGTGCATTGCCCTGGTTTCAGTCCGTGTTTTCTACAAGAAA
TGCCCCTTCACTGTTCGTAACTTGGCCATGTTTCCTGATACCATTCCAAGGGTTGATTCC
TCCTCTTTGGTTGAAGTACGGGGTTCTTGTGTGAAGAGTGCTGAAGAGCGTGACACTCCT
AAACTGTATTGTGGAGCTGATGGAGATTGGCTGGTTCCTCTTGGAAGGTGCATCTGCAGT
ACAGGATATGAAGAAATTGAGGGTTCTTGCCATGCTTGCAGACCAGGATTCTATAAAGCT
TTTGCTGGGAACACAAAATGTTCTAAATGTCCTCCACACAGTTTAACATACATGGAAGCA
ACTTCTGTCTGTCAGTGTGAAAAGGGTTATTTCCGAGCTGAAAAAGACCCACCTTCTATG
GCATGTACCAGGCCACCTTCAGCTCCTAGGAATGTGGTTTTTAACATCAATGAAACAGCC
CTTATTTTGGAATGGAGCCCACCAAGTGACACAGGAGGGAGAAAAGATCTCACATACAGT
GTAATCTGTAAGAAATGTGGCTTAGACACCAGCCAGTGTGAGGACTGTGGTGGAGGACTC
CGCTTCATCCCAAGACATACAGGCCTGATCAACAATTCCGTGATAGTACTTGACTTTGTG
TCTCACGTGAATTACACCTTTGAAATAGAAGCAATGAATGGAGTTTCTGAGTTGAGTTTT

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TCTCCCAAGCCATTCACAGCTATTACAGTGACCACGGATCAAGATGCACCTTCCCTGATA
GGTGTGGTAAGGAAGGACTGGGCATCCCAAAATAGCATTGCCCTATCATGGCAAGCACCT
GCTTTTTCCAATGGAGCCATTCTGGACTACGAGATCAAGTACTATGAGAAAGAACATGAG
CAGCTGACCTACTCTTCCACAAGGTCCAAAGCCCCCAGTGTCATCATCACAGGTCTTAAG
CCAGCCACCAAATATGTATTTCACATCCGAGTGAGAACTGCGACAGGATACAGTGGCTAC
AGTCAGAAATTTGAATTTGAAACAGGAGATGAAACTTCTGACATGGCAGCAGAACAAGGA
CAGATTCTCGTGATAGCCACCGCCGCTGTTGGCGGATTCACTCTCCTCGTCATCCTCACT
TTATTCTTCTTGATCACTGGGAGATGTCAGTGGTACATAAAAGCCAAGATGAAGTCAGAA
GAGAAGAGAAGAAACCACTTACAGAATGGGCATTTGCGCTTCCCGGGAATTAAAACTTAC
ATTGATCCAGATACATATGAAGACCCATCCCTAGCAGTCCATGAATTTGCAAAGGAGATT
GATCCCTCAAGAATTCGTATTGAGAGAGTCATTGGGGCAGGTGAATTTGGAGAAGTCTGT
AGTGGGCGTTTGAAGACACCAGGGAAAAGAGAGATCCCAGTTGCCATTAAAACTTTGAAA
GGTGGCCACATGGATCGGCAAAGAAGAGATTTTCTAAGAGAAGCTAGTATCATGGGCCAG
TTTGACCATCCAAACATCATTCGCCTAGAAGGGGTTGTCACCAAAAGATCCTTCCCGGCC
ATTGGGGTGGAGGCGTTTTGCCCCAGCTTCCTGAGGGCAGGGTTTTTAAATAGCATCCAG
GCCCCGCATCCAGTGCCAGGGGGAGGATCTTTGCCCCCCAGGATTCCTGCTGGCAGACCA
GTAATGATTGTGGTGGAATATATGGAGAATGGATCCCTAGACTCCTTTTTGCGGAAGCAT
GATGGCCACTTCACAGTCATCCAGTTGGTCGGAATGCTCCGAGGCATTGCATCAGGCATG
AAGTATCTTTCTGATATGGGTTATGTTCATCGAGACCTAGCGGCTCGGAATATACTGGTC
AATAGCAACTTAGTATGCAAAGTTTCTGATTTTGGTCTCTCCAGAGTGCTGGAAGATGAT
CCAGAAGCTGCTTATACAACAACTGGTGGAAAAATCCCCATAAGGTGGACAGCCCCAGAA
GCCATCGCCTACAGAAAATTCTCCTCAGCAAGCGATGCATGGAGCTATGGCATTGTCATG
TGGGAGGTCATGTCCTATGGAGAGAGACCTTATTGGGAAATGTCTAACCAAGATGTCATT
CTGTCCATTGAAGAAGGGTACAGACTTCCAGCTCCCATGGGCTGTCCAGCATCTCTACAC
CAGCTGATGCTCCACTGCTGGCAGAAGGAGAGAAATCACAGACCAAAATTTACTGACATT
GTCAGCTTCCTTGACAAACTGATCCGAAATCCCAGTGCCCTTCACACCCTGGTGGAGGAC
ATCCTTGTAATGCCAGAGTCCCCTGGTGAAGTTCCGGAATATCCTTTGTTTGTCACAGTT
GGTGACTGGCTAGATTCTATAAAGATGGGGCAATACAAGAATAACTTCGTGGCAGCAGGG
TTTACAACATTTGACCTGATTTCAAGAATGAGCATTGATGACATTAGAAGAATTGGAGTC
ATACTTATTGGACACCAGAGACGAATAGTCAGCAGCATACAGACTTTACGTTTACACATG
ATGCACATACAGGAGAAGGGATTTCATGTATGA

Restriction Sites: Please inquire

ACCN: NM_001080448

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

OTI Annotation: The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.

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_001080448.1, NP_001073917.1
RefSeq Size:	3949 bp
RefSeq ORF:	3111 bp
Locus ID:	285220
Cytogenetics:	3q11.2
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane
Protein Pathways:	Axon guidance
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 (1) represents the longest transcript and encodes the longest isoform (a).