

Product datasheet for **SC328039**

Eph receptor B6 (EPHB6) (NM_004445) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eph receptor B6 (EPHB6) (NM_004445) Human Untagged Clone
Tag:	Tag Free
Symbol:	Eph receptor B6
Synonyms:	HEP
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_004445 edited
GGCTGTTGGAGGAAGGGAGGAGTAAATGAAGAGAAAGAACTGGAATAACCCCTTGCAG
AAAAAAAAAAAAAGGGAAGCAAGCTTAGCTGTACACCCCTGAGTCTTGCAAAAGCTGCAGC
CCACCCAGGAGCAGGGTGGCTGGGCGATGGTGGACGCCCTGAAGATGTCCCATGG
CTACTGAAGGGCTGCCAGTTAGGGAACAGAGTGGCGGCATGGTGTGTAGCCTATGGG
TGCTGCTCCTGGTGTCTTCAGTTCTGGCTCTGGAAGAGGTATTGCTGGACACCACCGGAG
AGACATCTGAGATTGGCTGGCTCACCTACCCACCAGGGGGTGGGACGAGGTGAGTGTTT
TGGACGACCAGCGACGCCTGACTCGGACCTTTGAGGCATGTCATGTGGCAGGGGCCCTC
CAGGCACCGGGCAGGACAATTGTTGCAGACACACTTTGTGGAGCGCGCGGGGCCAGA
GGGCGCACATTCGACTCCACTTCTGTGCGGGCATGCTCCAGCCTGGGTGTGAGCGGCG
GCACCTGCCGGGAGACCTTCACCCTTTACTACCGTCAGGCTGAGGAGCCCAGAGCCCTG
ACAGCGTTTCTCCTGGCACCTCAAACGCTGGACCAAGGTGGACACAATTGCAGCAGACG
AGAGCTTTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCT
GACCCACGGGGCTGGGACGCGGGCTGGACTGCAACTGAACGTCAAAGAGCGGAGCTTTG
GGCCTCTACCCAACGCGGCTTCTACGTGGCCTTCCAGGACACGGGGGCTGCCTGGCC
TGGTCGCTGTGAGGCTTCTCCTACACCTGCCCTGCCGTGCTCCGATCCTTTGCTTCT
TTCCAGAGACGCAGGCCAGTGGGCTGGGGGGCTCCCTGGTGGCAGCTGTGGGACCT
GTGTGGCTCATGCAGAGCCAGAGGAGGATGGAGTAGGGGGCCAGGCAGGAGGCAGCCCC
CCAGGCTGCACTGCAACGGGGAGGGCAAGTGGATGGTAGCTGTGCGGGGCTGCCGCTGCC
AGCCTGGATACCAACCAGCACGAGGAGACAAGGCCTGCCAAGCCTGCCACGGGGGCTCT
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ACCCAGCAGCCCCGTTTGGCCCTGCCTGGAGGGCTTCTACCGGGCCAGTTCGACCCAC
CAGAGGCCCTGCACTGGTCTCCATCGGCTCCCGAGGAGCTTTGGTTGAGGTGCAAG
GCTCAGCACTCATGCTACACTGGCGCTGCCTCGGGAGCTGGGGGTCGAGGGGACCTGC
TCTTCAATGTCGTGTGCAAGGAGTGTGAAGGCCCGCAGGAACCTGCCAGCGGTGGTGGG
GCACTTGTACCCTGCAGGGATGAGGTCCACTTCGACCCTGCCAGAGAGGCCTGACTG
AGAGCCGAGTGTAGTGGGGGACTCCGGGCACACGTACCCTACATCTTAGAGGTGCAGG



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CTGTTAATGGGGTGTCTGAGCTCAGCCCTGACCCTCCTCAGGCTGCAGCCATCAATGTCA
GCACCAGCCATGAAGTGCCTCTGCTGTCCCTGTGGTGCACCAGGTGAGCCGGGCATCCA
ACAGCATCACGGTGTCTGGCCGAGCCCGACCAGACCAATGGGAACATCCTGGACTATC
AGCTCCGCTACTATGACCAGGCAGAAGACGAATCCCCTCCTTACCCTGACCAGCGAGA
CCAACACTGCCACCGTGACACAGCTGAGCCCTGGCCACATCTATGGTTTCCAGGTGCGGG
CCCGGACTGCTGCCGGCCACGGCCCTACGGGGGCAAAGTCTATTTCCAGACACTTCTC
AAGGGGAGCTGTCTTCCAGCTTCCGAAAGACTCTCCTTGGTGATCGGCTCCATCCTGG
GGGCTTTGGCCTTCTCCTGCTGGCAGCCATCACCGTGTGGCGGTCTTCCAGCGGA
AGCGGCGTGGGACTGGCTACACGGAGCAGCTGCAGCAATACAGCAGCCCAGGACTCGGGG
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CGCCTCCAGGCTGTCTCCTGGATTACATCTACTTATGTTGGACACTTGGCAGAAGGACC
GTGCCCCGGCGGCTCATTTTGACCAGCTGGTGGCTGCAATTTGACAAGATGATCCGCAAGC
CAGATACCCTGCAGGCTGGCGGGACCCAGGGGAAAGGCTTCCAGGCCCTTCTGACCC
CTGTGGCCCTGGACTTCTTGTCTGGACTCACCCAGGCTGGCTTTCAGCCATTGGAC
TGGAGTGTACCAGGACAATTCTCCAAGTTTGGCCTCTGTACCTTCAGTGATGTGGCTC
AGCTCAGCCTAGAAGACCTGCCTGCCCTGGGCATCACCTGGCTGGCCACCAGAAGAAGC
TGCTGCACCACATCCAGCTCCTCAGCAACACCTGAGGCAGCAGGGCTCAGTGGAGGTCT
GAGAATGACGATACCCGTGACTCAGCCCTGGACTGGTCCGAGAAGGGACATGTGGGAC
GTGAGCCGGGCTCCAACAGCCTCTGTGAGAGATGCCCCACACCAACCAACCCTCCCGA
TGCTGCATTCCTGGTC

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Restriction Sites:

Please inquire

ACCN:

NM_004445

Insert Size:

3449 bp

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:	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_004445.3 , NP_004436.2
RefSeq Size:	3449 bp
RefSeq ORF:	3066 bp
Locus ID:	2051
UniProt ID:	O15197
Cytogenetics:	7q34
Domains:	pkinese, EPH_Ibd, TyrKc, SAM, S_TKc, FN3
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane
Protein Pathways:	Axon guidance
Gene Summary:	<p>This gene encodes a member of a family of transmembrane proteins that function as receptors for ephrin-B family proteins. Unlike other members of this family, the encoded protein does not contain a functional kinase domain. Activity of this protein can influence cell adhesion and migration. Expression of this gene is downregulated during tumor progression, suggesting that the protein may suppress tumor invasion and metastasis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments. CCDS Note: The coding region has been updated to include an additional codon based on a 3-nt insertion that is present in the GRCh38 reference genome sequence.</p>