

Product datasheet for **SC337322**

Eph receptor B6 (EPHB6) (NM_001280794) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eph receptor B6 (EPHB6) (NM_001280794) Human Untagged Clone
Tag:	Tag Free
Symbol:	EPHB6
Synonyms:	HEP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001280794, the custom clone sequence may differ by one or more nucleotides

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ATGGTAGCTGTCGGGGGCTGCCGCTGCCAGCCTGGATACCAACCAGCAGGAGACAAGGCTGCCAAG
CCTGCCCACGGGGGCTCTATAAGGCTTCTGCTGGGAATGCTCCCTGCTCACCATGCCTGCCCGCAGTCA
CGTCCCAACCCAGCAGCCCCGTTTGGCCCTGCCTGGAGGGCTTCTACGGGGCAGTTCGACCCACCA
GAGGCCCCCTGCACTGGTCCCTCCATCGGCTCCCCAGGAGCTTTGGTTTGAGGTGCAAGGCTCAGCACTCA
TGCTACACTGGCCCTGCCTCGGGAGCTGGGGGTCGAGGGGACCTGCTCTTCAATGTCGTGTGCAAGGA
GTGTGAAGGCCGCCAGGAACCTGCCAGCGGTGGTGGGGCACTTGTACCCTGCAGGGATGAGTCCAC
TTCGACCCCTCGCCAGAGAGGCTGACTGAGAGCCGAGTGTAGTGGGGGACTCCGGGCACACGTACCCCT
ACATCTTAGAGGTGCAGGCTGTTAATGGGGTGTCTGAGCTCAGCCCTGACCCTCCTCAGGCTGCAGCCAT
CAATGTCAGCACCAGCCATGAAGTGCCTCTGCTGTCCCTGTGGTGCACCAGGTGAGCCGGGCATCCAAC
AGCATCACGGTGTCTGGCCGACGGCCGACCAGACCAATGGGAACATCCTGGACTATCAGCTCCGCTACT
ATGACCAGGCAGAAGACGAATCCACTCCTTACCCCTGACCAGGAGACCAACTGCCACCGTGACACA
GCTGAGCCCTGGCCACATCTATGGTTTCCAGGTGCGGGCCCGGACTGCTGCCGGCCACGGCCCTACGGG
GGCAAAGTCTATTTCCAGACACTTCTCAAGGGGAGCTGTCTCCAGCTTCCAGAAAGACTCTCCTTGG
TGATCGGCTCCATCCTGGGGGCTTTGGCCTTCTCCTGCTGGCAGCCATCACCGTGTGGCGGTGCTT
CCAGCGGAAGCGGCGTGGGACTGGCTACACAGAGCAGCTGCAGCAATACAGCAGCCAGGACTCGGGGTG
AAGTATTACATCGACCCCTCCACCTACGAGGACCCTGTGAGGCCATCCGAGAATTGCCCGGAAGTGC
ATCCTGCTTATATCAAGATTGAGGAGGTCATTGGGACAGGCTCTTTGGAGAAGTGCAGGCGCCGCT
GCAGCCACGGGGCAGGAGGGAGCAGACTGTGCCATCCAGGCCCTGTGGCCGGGGGCGCCGAAAGCCTG
CAGATGACCTTCTGGCCGGGGCCGAGTGTGGGTGAGTCCAGCACCACCAACATCCTGCGGCTGGAGG
GGGTGGTACCAAGAGCCGACCCCTCATGGTGTGACGGAGTTCATGGAGCTTGGCCCCCTGGACAGCTT
CCTCAGGCAGCGGGAGGGCCAGTTCAGCAGCCTGCAGCTGGTGGCCATGCAGCGGGGAGTGGCTGCTGCC
ATGCAGTACCTGTCCAGCTTTGCCTTCTGCTCCATCGCTCGTGTCTGCCACAGCGTGTGGTGAATAGCC
ACTTGGTGTGCAAGGTGGCCCGTCTTGGCCACAGTCTCAGGGCCCAAGTTGTTTCTGCTGGGCAGC
CCCAGAGGTGATGCACATGAAAGCATAACAATCCAGTGTGCTGGAGCTTTGGGATACTCATGTGG
GAAGTGTGAGTTATGGAGAACGGCCTTACTGGGACATGAGTGAGCAGGAGGTAATAATGCAATAGAGC
AGGAGTTCGGGTGCCCGGCCCTCCAGGCTGTCTCCTGGATTACATCTACTTATGTTGGACTTGGCA
GAAGGACCGTGGCCGGCGCCTCATTTGACCAGCTGGTGGCTGCATTTGACAAGATGATCCGCAAGCCA
GATACCCTGCAGGCTGGCGGGGACCCAGGGGAAAGGCCTTCCCAGGCCCTTCTGACCCCTGTGGCCCTGG
ACTTTCCTTGTCTGGACTCACCCAGGCCTGGCTTTCAGCCATTGGACTGGAGTGTACCAAGGACAACTT
CTCCAAGTTTGGCCTCTGTACCTTCAGTGTGTTGCTCAGCTCAGCCTAGAAGACCTGCCTGCCCTGGGC
ATCACCCTGGCTGGCCACCAGAAGAAGCTGCTGCACCACATCCAGCTCCTTCCAGCAACACCTGAGGCAGC
AGGGCTCAGTGGAGGCTGA
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Restriction Sites: SgfI-MluI

ACCN: NM_001280794

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_001280794.2](#), [NP_001267723.2](#)

RefSeq Size: 4008 bp

RefSeq ORF: 2190 bp

Locus ID: 2051

Cytogenetics: 7q34

Protein Families: Druggable Genome, Protein Kinase, Transmembrane

Protein Pathways: Axon guidance

Gene Summary: 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]

Transcript Variant: This variant (2) differs in the 5' UTR, lacks an exon in the 5' coding region, and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (b) has a shorter N-terminus, compared to isoform a. Both variants 2 and 3 encode the same isoform (b).