

Product datasheet for **SC123457**

EPHA8 (BC038796) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EPHA8 (BC038796) Human Untagged Clone
Tag:	Tag Free
Symbol:	EPHA8
Synonyms:	EEK; EPH- and ELK-related tyrosine kinase; ephrin receptor EphA8; ephrin type-A receptor 8; HEK3; hydroxyaryl-protein kinase; KIAA1459; OTTHUMP00000002934; OTTHUMP00000002935; protein-tyrosine kinase; tyrosine-protein kinase receptor EEK; tyrosylprotein k
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF:

>OriGene sequence for BC038796 edited
 TGCCGCCGCGCCAAGCCGAGGGTGCCTGGCGCCCCGCCCCGCCGCGCCGATGGC
 CCCCGCCGCGGGCCGCTGCCCCCTGCGCTCTGGGTGCTCACGGCCGCGGGCGGGCGGC
 CACCTGCGTGTCCGCGCGCGCGGCAAGTGAATTTGCTGGACACGTCGACCATCCACGG
 GGACTGGGGTGGCTCACGTATCCGGCTCATGGGTGGGACTCCATCAACGAGGTGGACGA
 GTCTTCCAGCCCATCCACACGTACCAGTTTGAACGTCATGAGCCCCAACAGAACAA
 CTGGCTGCGCACGAGCTGGTCCCCCGAGACGGCCCGCGCGCTCTATGCTGATCAA
 GTTTACCCTGCGGACTGCAACAGCATGCCTGGTGTGCTGGGCACCTGCAAGGAGACCTT
 CAACCTCTACTACCTGGAGTCGGACCGGACCTGGGGGCCAGCACACAAGAAAGCCAGTT
 CCTCAAAATCGACACCATTGCGGCCGACGAGAGCTTACAGGTGCCGACCTTGGTGTGCG
 GCGTCTCAAGCTCAACACGGAGGTGCGCAGTGTGGTCCCCTCAGCAAGCGCGGCTTCTA
 CCTGGCCTTCCAGGACATAGGTGCCTGCCTGGCCATCCTCTCTCTCCGCATCTACTATAA
 GAAGTGCCTGCCATGGTGCGAATCTGGCTGCCTTCTCGGAGGCAGTGACGGGGCCGA
 CTCGTCTCACTGGTGGAGGTGAGGGGCCAGTGCCTGCGGCACTCAGAGGAGCGGGACAC
 ACCCAAGATGTACTGCAGCGCGGAGGGCAGTGGCTCGTCCCATCGGCAATGCGTGTG
 CAGTGCCGGCTACGAGGAGCGCGGGATGCCTGTGTGGCTGTGAGCTGGGCTTCTACAA
 GTCAGCCCTGGGGACCAGCTGTGTGCCGCTGCCCTCCCACAGCCACTCCGCAGCTCC
 AGCCGCCCAAGCCTGCCACTGTGACCTCAGCTACTACCGTGCAGCCCTGGACCCGCGTC
 CTCAGCCTGCACCCGGCCACCCTCGGCACCAGTGAACCTGATCTCCAGTGTGAATGGGAC
 ATCAGTGACTCTGGAGTGGGCCCTCCCCTGGACCCAGGTGGCCGAGTGACATCACCTA
 CAATGCCGTGTCCGCGCTGCCCTGGCACTGAGCCGCTGCGAGGCATGTGGGAGCGG
 CACCCGCTTTGTGCCAGCAGACAAGCCTGGTGCAGGCCAGCCTGCTGGTGGCAACCT
 GCTGGCCACATGAACACTCTCTTCTGGATCGAGGCCGTCATGGCGTGTCCGACCTGAG
 CCCCAGCCCCGCGGGCGCTGTGGTCAACATACCACGAACAGGCAGGTAGGCGGAG
 AAACCTCGTCCCAGCGTCTGGTCCCCAGTTCCCCTGCCTCAGACCCATCCAGGGA
 TCAGAGCTCTGCCGGGACGTGCTGTGGCCTTTAGGCAAGTGCCTCTCTGGCCCTGCGC
 TCCTCACCAGGACCCAGAGCTGGAGGCTTTCATTGCCTTTAGAAAAGTGAACACATTC
 TATAAGTAAGAGAAATCCAAAAGCTCAGAGGCAGGCTAGTGTGGCCGTCGAAAGCCTAG
 GTTCCAGAACTTCCCTCTGTGCCTCAGTTTCCCTCCCTGGTGAATGGGAATAATAGT
 ACCTGCCTGAGGTCCTCTCAGGAGGCTTAATGAGAGGAATGAAATTGCTTAGCCAGCA
 CCTGGCCCGTGGTAAATGCTCAATAAATGTCATTAATAAATAAAAAAAAAAAAAAAAAA
 AA

5' Read Nucleotide Sequence:

>OriGene 5' read for BC038796 unedited
 GCGCTAGGATTTGTAATACCACTTCATATAGGGCGGCCGCGCAATCCCCGGGTGCGGCC
 GCGGCCAATCCCAGGTGCGTGGCGCCCCGCCCCGCCGCGCCGATGGCCCCGCC
 GGGGCCGCTGCCCCCTGCGCTCTGGGTGCTCACGGCCGCGGGCGGGCCACCTGCG
 TGTCCGCGCGCGCGCGGAAGTGAATTTGCTGGACACGTCGACCATCCACGGGACTGGG
 GCTGGCTCACGTATCCGGCTCATGGGTGGGACTCCATCAACGAGGTGGACGAGTCCTTCC
 AGCCATCCACACTTACCAGTTTGAACGTCATGAGCCCCAACAGAACAACTGGCTGC
 CCACGATCTGGTCCCCGAGACGGCGCCCGCGCGTCTATGCTGAGATCAAGTTTACCC
 TGCGGACTGCAAAGCATGCCTGGTGGGCTGGCACCTGGCAGGAGACCTTCAACCTC
 TACTACCTGGAGTCCGACCGGACCTGGGGGCCAGACAAAAAAGCAGTTTCTCAAAT
 TCGACACCATTGTGGTCAACAAGAGCTTACAGGTGCCGACCTTGGTGGTGGCGGCT
 CTCAAAGCCTCACACGGGAGGGCGCAAGGGGGGGTCCCCTCAACAAGGGGCGGGCTT
 CTAAGTGGCCTGCCAGGAAAAAAGGGCCTTGGCTTGGCAATTCTCCTTGTCTCCGG
 AATCTACATATAAGAAAGTGCCCGTGCCATGGGGGCGCAATACTGGGCTGTCTTTCTT
 GAGAAGCCGTTGACACGGGGGCCAACCCCTCGTCTCACTTGGTAAAGGGTAAGGGG
 CCAGTGCCTGGGGGCACTTCATTAATAGTGGGGTCCCACCCATTATTTTCTGCG
 CACCGCGGAAGGCGCAANGTGGCACCTGTGCCATATCGCAAAATATCNGTGGGCAGG
 TGCCCGGCTACGAAGAGAACGGCGGGG

Restriction Sites:	Please inquire
ACCN:	BC038796
Insert Size:	1843 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:	<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:	BC038796.1 , AAH38796.1
RefSeq Size:	1843 bp
Locus ID:	2046
Cytogenetics:	1p36.12
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane
Protein Pathways:	Axon guidance
Gene Summary:	This gene encodes a member of the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in the nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. The protein encoded by this gene functions as a receptor for ephrin A2, A3 and A5 and plays a role in short-range contact-mediated axonal guidance during development of the mammalian nervous system. [provided by RefSeq, Jul 2008]