

Product datasheet for SC117345

Ephrin B1 (EFNB1) (NM_004429) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ephrin B1 (EFNB1) (NM_004429) Human Untagged Clone
Tag:	Tag Free
Symbol:	Ephrin B1
Synonyms:	CFND; CFNS; EFB1; EFL3; Elk-L; EPLG2; LERK2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117345 sequence for NM_004429 edited (data generated by NextGen Sequencing)

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ATGGCTCGGCCTGGGCAGCGTTGGCTCGGCAAGTGGCTTGTGGCGATGGTCGTGTGGGCG
CTGTGCCGGCTCGCCACACCGCTGGCCAAGAACCTGGAGCCCGTATCCTGGAGCTCCCTC
AACCCCAAGTTCTGAGTGGGAAGGGCTTGGTGATCTATCCGAAAATTGGAGACAAGCTG
GACATCATCTGCCCCGAGCAGAAGCAGGGCGGCCCTATGAGTACTACAAGCTGTACCTG
GTGCGGCCTGAGCAGGCAGCTGCCTGTAGCACAGTTCTCGACCCCAACGTGTTGGTCACC
TGCAATAGGCCAGAGCAGGAAATACGCTTTACCATCAAGTTCAGGAGTTCAGCCCCAAC
TACATGGGCCTGGAGTTCAAGAAGCACCATGATTACTACATTACCTCAACATCCAATGGA
AGCCTGGAGGGGCTGAAAACCGGGAGGGCGGTGTGTGCCGCACACGCACCATGAAGATC
ATCATGAAGGTTGGCAAGATCCAATGCTGTGACGCCTGAGCAGCTGACTACCAGCAGG
CCCAGCAAGGAGGAGCAGACAACACTGTCAAGATGGCCACACAGGCCCTGGTAGTCGGGGC
TCCTGGGTGACTCTGATGGCAAGCATGAGACTGTGAACCAGGAAGAGAAGAGTGGCCCA
GGTGCAAGTGGGGCAGCAGCGGGGACCCTGATGGCTTCTTCAACTCCAAGGTGGCATTG
TTCGCGGCTGTCGGTGCCGGTTGCGTCATCTTCTGCTCATCATCTTCTGACGGTC
CTACTACTGAAGCTACGCAAGCGGCACCGCAAGCACACACAGCAGCGGGCGGCTGCCCTC
TCGCTCAGTACCCTGGCCAGTCCAAGGGGGCAGTGGCACAGCGGGCACCGAGCCCAGC
GACATCATCATTCCCTTACGGACTACAGAGAACAACACTGCCCCCACTATGAGAAGGTG
AGTGGGACTACGGGCACCCTGTCTACATCGTCCAAGAGATGCCGCCCCAGAGCCCGGCG
AACATCTACTACAAGGTCTGA

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Clone variation with respect to NM_004429.4



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_004429 unedited AGACGTACAANATCTTTGTNAATACGAACCTCACTATNAGGNCAGGCCGCGNAATTCGGCA CGAGGGGAGGTTTGTGAGGCTCGCACTGGCCGACAGACCTCGGGCTCGATCGCCCGGAG CCAGGACTCGGCGACGCGAGGCTGCCGGCTACCCGGCCGAGGCTTCGGGGGCGCAAAT AATGGGACTGGCTCGCTCGGCAGCATCTCCCGCTCTTCTAAGTACACTGAGCAGGGCCC GCGCTGAAGTAGAAGCTGTCCGGGGCGCGTAGCCGGAGTCCCAGTGTGGCCCGGAGGA ACGGAGCCCGTGCCAGGGCGGCCAGTCGGGAGCCCGGGACCGAGCTTGTGCTGTGGG AAACCCCACTTCTTCCAAGGGACAGCGATCCCGGGACGGTTCGAGGCGTTCGGGGCGGTCA CCGAGACCTCTGCGGGAAGACCCCGTTCGGGAGAGGGCGCGCAGCCCGAAGCGTCTCGG GAAGTCGAGCGGAATCGGGCGGGATCACCCGGGGCGCATAGCCCGCTCGCGCCTCGTG CGGCAGCGGATAGCCATGAGAACGAGCCCTCGGGGGCCGAAGCCATGCCCGGTTGGG GGCGGCTGCCAGTGAGTCTCTGCGCCGGCCGGCGGATAATATCGACACCGAAGCCGG CGGAGGGGAGCACTTCAAGGCCGGCGGCTGCGGATGATGGGCGCCTGATCGGCTCCGAG CGCATCGCGGCAGATGAAGGCGAGGCGAGCTTTGGTGATGAGGCGCAAGGGATCCCGAA GTGCAGTCTGCCCGGNAAGATGGCTCGGCTGNGCAGCGTTGGCTCAGCAAGTGGCTT GTGGCGAATGGTCGTGTAGGGCGCTGTGCCAGCTCGCCACACCGCTGGCCAAGACCTGGA GCCCGTATCCTGGACTCC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_004429 unedited ATGGCCGCGGCCCAATCTAAGATCGAGTTTTTTTTTTTTTTTTTTTTTTGGTAATTTTT TTTTTTTAGTTCTCATTTTTTTTCTAAGAAAAAGCACAAGAAAATAATTCAGAGTTTATA CAAACATCTTTACATTATTTTTTTTCCAAAAAGACTAGTATTTACACAAATGGCAACAG AAACAAAAACAAAACCTTCCGACTGCCACCTGGAAGGGGCTGGCTGTTCTGCTCCCTC TCCACCTGGCACTGGGTGGGCAGCTGGCCAGGAGGAGTGTGGAGGTGGATGGTGTGA GGCCAGCTCCTTCCATGGCTGCTCTGGGAGTGCTGCAAGGCGCACTCAAGTGGCAGTC TGTTAGCAGCCGTGCTGGCAAGGAACTGGGGTCAAAGTGACAGCGGGCTGGCCAGCCC CAGGCAGCCTCTTCTCTTTCCAGGCCAGCCAAAGACTGGGACAGCAGCAGGAGCTGG GTTGGGTGGGGTTACCCACCTGTGCTAGGGCCAGAAAAGGAGCAGGCCACCTGGTCTT ATACCCGCTTAGGTCTCCACCCTGGGCTCTGTTCCCCACCAGGCCAAAGGATGCCAAA GGTAAGGAGAGAACAGGGTGGGGGTGGCCGCTCACTCCCCCCCCCTTCCCTGCCTCCT CTCTCCCCGGCTTCCCCCCCCCTCCCCCTCCTCCTCCCGCTCCCTCCGTTCCCTCCGTT CCCCCTCCCCCTCCTCCTCCGTCGCCGTCCTCCCTCCCGTCCCGTGGTTTCCCTCCGTTG TCTCCCGTCCCCCCCCCTCCCCCTCCTCCTCCTCGTCCCGTCCCTGCTTTCCTTCCACT CCCGTATCTCCCCCCCCCTCCTGTCCGCCACTTGTGCCCCTCCGCGCCATCCCCCGG TTTCCCTCACTCCGCGCTTTGTCCATCCTCCCGTGTGCCGCCAACACCTCCTCCG CACTTAGCGCCGACACGCGACGCGCTNCGCATTACGCGCACTTCCCGTCCGCAATTAT TTTCAGGC</p>
Restriction Sites:	ECoRI-NOT
ACCN:	NM_004429
Insert Size:	3340 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_004429.3](#), [NP_004420.1](#)

RefSeq Size: 3346 bp

RefSeq ORF: 1041 bp

Locus ID: 1947

UniProt ID: [P98172](#)

Cytogenetics: Xq13.1

Domains: Ephrin

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Axon guidance

Gene Summary: The protein encoded by this gene is a type I membrane protein and a ligand of Eph-related receptor tyrosine kinases. It may play a role in cell adhesion and function in the development or maintenance of the nervous system. [provided by RefSeq, Jul 2008]