

Product datasheet for **MC202492**

Efnb3 (NM_007911) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Efnb3 (NM_007911) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Efnb3
Synonyms:	EFL-6; ELF-3; Elk-L3; Epl8; LERK-8; NLERK-2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC058617 sequence for NM_007911
CGAGGCTGGGGCTCCAGCTCGGTGTCTCCTTCTTCGCTCCCTTGCCCGGCGCCTCATGTTGCCCCGCC
GGCCCTCGGCTCCCCATGTCCCCACGTAGCGGGGCGCAAAATCCCGAGGTGCGGCGCTGGGCCGGG
GCGCGTAAGGCGCTGCAGACGGCCCTGCAAGGGTCTTGTGGGGTGTAGCGCTCTGGAGCCGGGAGC
AAGCATCGCAGAAAAGAGGGTCTTGTGGGAGCTGGGGGTGACTAGCCACCCACAGGGTACTGGGGT
CCACAGCGTGGTAGCCACCCCTGGGGGTGAGAGACTTTGGGGAGTTGGTGCCCCGCCCCAGGCCTTGG
TAGGGTCATGGGGGCCCCCAATTTGGCCAGGGGTGTGCAAGTCGGGGCCCTGCTGCTTTAGGTTTT
GCGGGCTGGTATCTGGACTCAGCCTGGAGCCTGTCTACTGGAACCTCGGCGAATAAGAGGTTCCAGGCAG
AGGGCGTTACGTGCTTTATCCTCAGATCGGGACCGGCTAGATCTACTTTGTCCCCGGGCTCGGCCTCC
TGGCCCCACTCCTCCTAGTTATGAGTTCTACAACTGTACCTGGTAGAGGGTCCCAGGGTCCGGCT
TGTGAGGCACCCCTGCCCAAACCTTCTTCTACATGTGACCGCCAGACCTGGACCTCCGCTTACCA
TCAAGTTCAGGAATACAGCCCTAACCTCTGGGGCCACGAGTTCCGATCCCACCACGATTACTACATAAT
TGCCACATCAGACGGGACCCGGGAAGGCCTTGAGAGCTTGAAGGAGGCGTGTGCCTAACAGAGGCATG
AAGGTGCTTCTGCGAGTGGGACAAAGTCCCGAGGAGGAGCTGTACCCGAAAACCTGTGTCTGAAATGC
CCATGGAGAGAGACAGAGGGCAGCTCACAGCGCGGAACCTGGGAGGGACACCATACCAGGTGACCCAG
CAGCAATGCAACCTCCCGGGTGTGAAGGCCCTGCCCTCCAGCATGCCCGCAGTGGCTGGGGCA
GCAGGGGGGATGGCGCTGCTCTTGTGGCGTGGCAGGGGCTGGGGGTGCCATGTGTTGGCGGAGACGGC
GGGCCAAGCCTTCGGAGAGTCCGACCCCTGGTCTGGCTCCTTTGGGAGGGGAGGGTCTCTGGGCTGGG
TGGTGGAGGAGGGATGGGCCTCGGGAAGCTGAGCCTGGGGAGCTAGGAATAGCCCTGCGGGGTGGTGGG
ACTGCAGACCCCCCTTCTGCCCTACTACGAGAAGGTGAGCGGTGACTATGGGCACCCTGTGTACATTG
TGCAGGATGGGCCCCCCAGAGCCCTCCGAACATCTATTACAAGGTATGAGGGCTCCTCCACCTGGCTC
TCTCAATCTAGCCGTCATGGGGTCTCCTCCAGTGAATTCATGGTATGAGGGACACCATGCGCCATGA
CTTTGGCCCCCTTTGCCCTACCAGCTCTTTGGCTCCTCCTGGCTATAGCCCTCATCTCAATTTTAGGAT
CCTTAAGACTTGACTACACCTTTTCTGACCTCCCGACTGACCTCATTGACTGTGGGCATCCTCT
GTTTCTGCTCTTAGGGAGGGGGTACAGGCTCAGCCTCCCTAATCACTACCCAGGTGTCTTTCTC
CCTCACCCACCCAGAGTGGGGTGGGACAGTCTGTCTTTGGTGGCACCTCTTCTGCCTCTCACCAT
TTTTCTTCTCTATTTCTTATTCTCTCTCTCTCTCTCTGTGTCTAGGTCTGTTCTTCTCCTCCCTAG
CCTCCTCTTACATCTCCTTTTACCCTCTCGGCTTCTTGTCTTCTGTGCTCTCACGTGTCTCCTGGG
TTGGGGCATCAAAGCATCTCCTCTTTGCTCTTGGCCCTTCCAACCTTTCATACCAACTGCTCCCCTC
TGTCCGCAAAAACGGGGCTTTCGGGGGTGGGGGGAGATTCTGGAACCTACCCCCAGCTCCAGG
CATGGGCACAGGGCCTTTCCCTGCCTTCTGTGTACTTACTCCAGCCATTTGGGGTGGTTATTGGGCC
ACAACACTACCATGAGAAGAAGTGCCTGTTGTGGCCAGTGGCTGATAGGAAGACATGAAGCAGTGTGG
ACATGATGGACTGTGTCTGATGCCGAATGGGCATCAGATAGGAAGTGAAGTCCGTTCCAGACAAGAAGTGA
CAGGCCTGGACAGAAATGGCCTGGGAAGTGTCCGCAGCAGGAACTGGAAGTGCCTTCATCCAGAACAGGA
AGTCGCACTTCTGAAATAGGAAGTGGTCTGGCTGGAATCCAAGTGGCTTAGTCTGGGAGGTGGCTGG
GTGGGGGTGGGGCATGGGAAGTGGATGGTTCTTACCCTGTGGAGAAAGGGGCAGGAGGAACTCCCTGCT
TTAGGAGGAAGCTGGAACCTTACCCTGTGAGAGGACAGATGTGGACTGAGAGTTTTCTTAGTGTTCAGTG
GCACTTCCAAGGACCCCTTCCCTGTGCTCTGTGCAGTTTTTAGGACAGCTAAGATGACTGCCACTTGC
TGTGGCAGGCCAATTTGTCTTGTCTCCCTTACTGTACCCAGTATAATCTCTGTTGATCAACAGAAC
TACCCCAAGAACCACATGTTCTCCCACTAACCAGACGGCTGTCTGGCTGATGCCTTCTCCCTCAA
GCCCAACACAGCGCCCTTGTGAGTGAAGAGGTGGTCCATGGACTGGTCTAGCTGATGGCAGTTATTAGCA
CTGTTGTCTGTTCCATAGTGACAAGCCTATACCTCTTCCGCTCTTTAGTGTGACAGTGGGCTGCTGCCT
CGGTGTTCTCCGCTCAGTTTTATTAGATCAAAGCTGCCCTTGGCCATCATGTTGGCCACCTCAATCAC
CAGCCAAAATGGTTGCTTTGTCCACCAGAGGTCAAGCCATCTCTGGCGCTGTAGTTCCAGCTCCTTC
TAGGGAACAGGAAGTTGATATTGCCATTGGGGAGGTGGCGGGTATGGCCGTACCTCGATAGTTTTATT
GTAAGGAAATTTGAACAACAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: AscI-NotI
ACCN: NM_007911
Insert Size: 1023 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:	BC058617 , AAH58617
RefSeq Size:	3135 bp
RefSeq ORF:	1023 bp
Locus ID:	13643
UniProt ID:	O35393
Cytogenetics:	11 42.8 cM
Gene Summary:	Cell surface transmembrane ligand for Eph receptors, a family of receptor tyrosine kinases which are crucial for migration, repulsion and adhesion during neuronal, vascular and epithelial development. Binds promiscuously Eph receptors 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. May play a pivotal role in forebrain function. Binds to, and induce the collapse of, commissural axons/growth cones in vitro. May play a role in constraining the orientation of longitudinally projecting axons. [UniProtKB/Swiss-Prot Function]