

Product datasheet for **RG207228**

Ephrin B3 (EFNB3) (NM_001406) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ephrin B3 (EFNB3) (NM_001406) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: Ephrin B3
Synonyms: EFL6; EPLG8; LERK8
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG207228 representing NM_001406
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGCCCCCATTCTGGGCCGGGGCGTGCAGTCGGGGCCCTGCTGCTGCTGGGGTTTTGGGGC
 TGGTGTCTGGGCTCAGCCTGGAGCCTGTCTACTGGAACCTCGGCAATAAGAGTTCCAGGCAGAGGGTGG
 TTATGTGTGTACCCTCAGATCGGGGACCGCTAGACCTGCTCTGCCCGGGCCCGCCTCCTGGCCCT
 CACTCCTCTCCTAATTATGAGTTCTACAAGCTGTACCTGGTAGGGGTGCTCAGGGCCGGCGCTGTGAGG
 CACCCCTGCCCAAACCTCCTTCTCACTTGTGATCGCCAGACCTGGATCTCCGCTTACCATCAAGTT
 CCAGGAGTATAGCCCTAATCTCTGGGGCCACGAGTTCCGCTCGCACACGATTACTACATCATTGCCACA
 TCGGATGGGACCCGGGAGGGCCTGGAGAGCCTGCAGGGAGGTGTGTGCCTAACAGAGGCATGAAGGTGC
 TTCTCCGAGTGGGACAAAGTCCCGAGGAGGGGCTGTCCCCGAAAACCTGTGTCTGAAATGCCCATGGA
 AAGAGACCCGAGGGGACGCCACAGCCTGGAGCCTGGGAAGGAGAACCTGCCAGGTGACCCACCAGCAAT
 GCAACCTCCCGGGGTGCTGAAGGCCCTGCCCTCCAGCATGCCTGCAGTGGCTGGGCAGCAGGGG
 GGCTGGCGCTGCTCTTGTGGCGTGGCAGGGGCTGGGGTGCCATGTGTGGCGGAGACGGCGGGCCAA
 GCCTTCGGAGAGTCGCCACCCTGGTCTGGCTCCTCGGGAGGGGAGGTCTCTGGCCCTGGGGGTGGA
 GGTGGATGGGACCTCGGGAGGCTGAGCCTGGGAGCTAGGATAGCTCTGCGGGTGGCGGGGCTGCAG
 ATCCCCCTTCTGCCCCACTATGAGAAGGTGAGTGGTGACTATGGGCATCCTGTATATCGTGCAGGA
 TGGCCCCCAGAGCCCTCAAACATCTACTACAAGGTA

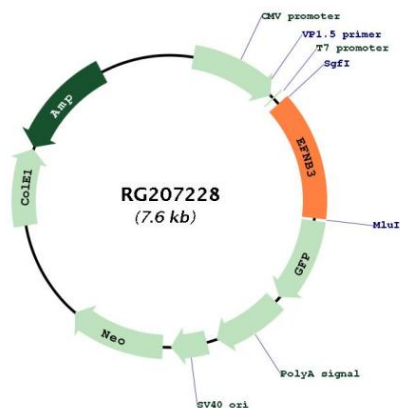
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

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_001406.4
RefSeq Size:	3236 bp
RefSeq ORF:	1023 bp
Locus ID:	1949
UniProt ID:	Q15768
Cytogenetics:	17p13.1
Domains:	Ephrin
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Axon guidance
Gene Summary:	<p>EFNB3, a member of the ephrin gene family, is important in brain development as well as in its maintenance. Moreover, since levels of EFNB3 expression were particularly high in several forebrain subregions compared to other brain subregions, it may play a pivotal role in forebrain function. The EPH and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, particularly in the nervous system. EPH Receptors typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin ligands and receptors have been named by the Eph Nomenclature Committee (1997). Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. The Eph family of receptors are similarly divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. [provided by RefSeq, Jul 2008]</p>

Product images:



Circular map for RG207228