

5' Read Nucleotide Sequence:

20riGene 5' read for NM_004952 unedited

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GGTTCACAATTGTATACGACTCATATAGCGGCNCGCGATTCCGGCAGGAGGGGATGGCG
GCGGCTCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCCCGTGCCGCTGCTGCCGCTGCTGGCC
CAAGGGCCCCGAGAGGGGCGCTGGGAAACCGGCATGCGGTGTACTGGAACAGCTCCAACCAG
CACCTGCGGCAGAGGGGCTACACCGTGATGTGAACGTGAACGACTATCTGGATATTTAC
TGCCCGCACTACAACAGCTCGGGGTTGGGCCCCGGGGCGGGACCGGGGCCCGAGGCGGG
GCAGAGCAGTACGTGCTGTACATGGTGAGCCGCAACCGCTACCGCACCTGCAACGCCAGC
CAGGGCTTCAAGCGCTGGGAGTGAACCGGCCGCACGCCCCGCACAGCCCCATCAAGTTC
TCGGAGAAGTTCAGCGCTACAGCGCCTTCTCTCTGGGCTACGAGTTCACAGCCGGCCAC
GAGTACTACTACATCTCCACGCCCACTCACAACCTGCACTGGAAGTGTCTGAGGATGAAG
GTGTTCTGCTGCTGCGCCTCCACATCGCACTCCGGGGAGAAGCCGGTCCCCACTCTCCCC
CAGTTCACCATGGGCCCCAATGTGAAGATCAACGTGCTGGAAGACTTTGAGGGAGAGACC
CCTCAAGTGCCCAAGCTTGAGAAGAGCATCAGCGGGACCAGCCCCAACGGGAACACCTG
CCCCTGCCCTGGGCTGGGCTAGCCTTCTTCTCATGACGTTCTTGGCCTCTAGCTCTGCCCC
CTCCCCTGGGGGGGAGAGATGGGGGCCGGGCTTTGGAGGGACCAGGAAGCCCTTTGGC
CTCTCCAAGAGAAAGCCTAATGGCCTAGACCCCTCCTCCTGGCTAGAAATGGGGCCTGC
CCCATACAATTGTGTCCGCC
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3' Read Nucleotide Sequence:

20OriGene 3' read for NM_004952 unedited

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TATGGACCGCGGCCGAATCTACAGTCGAGTTTTTTTTTTTTTTTTTTTATTTTTT
TCTCCAGTTTATTTTTTTTAGACTAAGAGCAGAGTATGAAAGTCACAGCCAAAGCACTTG
AAAAAGGCCCAGGAGGATAGGTGGGACCACATAGGGTGAGCAGGGCAAGGTCTGGGAGA
TG GTTCCCGCTCAGGGCTGGAAGGGAGGGGGCGTGTGTGTTTACGGTCTCCAAAGT
TCTGTGCGTGTGCATAGGCCCTGTCTTCACAGAAGACAAAAGAGGGGCCAGGGGGTCCCC
AGGCGTGGGGGGCTATCCCGGTGGGGCAGGGCCCTCCCTTTCCCGCTACCCCCCCC
AGGTCCCTCCCTTTACCATGTCCCTCCCTTGTCTCCCCCCCCCCCCCTCCCGTCCC
CCCCCTTCCCTCTCCTTCTCCCCCTCCCCCCTCTCCCTTATCACTCTCCCCACTTTCCTC
CTTCTCCTTACCCTTCCCCCCCCCCCCCTTTATTTGTATCCCTTCCCCATTTTCCCTT
TCCCCCCCCCTCCCCCCCCCCCCCCCCCTTTCCCTTTTCCCCCTCCTATCTCCCCCCC
CCCCCTCTTCCGTCTTCTTTTCTTCTACTCCCCCCCCCCCCCCCCCTTTCCCCCCCCCTTT
CCCCCCCCCTCCATATCCCTTCCCCCTCCCTTCCCCCCCCCTTTCGTCTTCCCCCTT
CCCCCCTCCCTTCCCCCTTCTCCCCCCCCCGCTTTCCCATCCCCGCCCTTTCGTATC
CATTTTTCTCCCCCCTTCCCCCTTCCCCCTTCTCTCTCTTCTTTTTCTCCACCCCC
TCCCCCTCTCGCCCTTTTCTTTCCCTTTCTCTCTCCCCCTCCCCCTCTCCTTT
CTCTTTCCCCCAATCCCCCTCGCTCCCCCCCCCTTTTCCATTCTTTCCCAATTCTCCTT
CCCTCCCCCTCTCCTACTCTCCGCTCACACCCCTCCCCG
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Restriction Sites:

NotI-NotI

ACCN:

NM 004952

Insert Size:

1750 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:	<u>NM_004952.3, NP_004943.1</u>
RefSeq Size:	1798 bp
RefSeq ORF:	717 bp
Locus ID:	1944
UniProt ID:	<u>P52797</u>
Cytogenetics:	1q21.3
Domains:	Ephrin
Protein Families:	Druggable Genome
Protein Pathways:	Axon guidance
Gene Summary:	This gene encodes a member of the ephrin (EPH) family. The ephrins and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, especially in the nervous system and in erythropoiesis. 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. This gene encodes an EFNA class ephrin. [provided by RefSeq, Jul 2008]