

Product datasheet for RC210313

Ephrin A3 (EFNA3) (NM 004952) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Ephrin A3 (EFNA3) (NM_004952) Human Tagged ORF Clone

Tag: Myc-DDK
Symbol: Ephrin A3

Synonyms: EFL2; Ehk1-L; EPLG3; LERK3

Mammalian Cell Neomycin

Selection:

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)ORF Nucleotide>RC210313 ORF sequence

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

 ${\tt TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC}$

GCCGCGATCGCC

CGTTCTTGGCCTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC210313 protein sequence

Red=Cloning site Green=Tags(s)

MAAAPLLLLLLVPVPLLPLLAQGPGGALGNRHAVYWNSSNQHLRREGYTVQVNVNDYLDIYCPHYNSSG VGPGAGPGPGGGAEQYVLYMVSRNGYRTCNASQGFKRWECNRPHAPHSPIKFSEKFQRYSAFSLGYEFHA GHEYYYISTPTHNLHWKCLRMKVFVCCASTSHSGEKPVPTLPQFTMGPNVKINVLEDFEGENPQVPKLEK SISGTSPKREHLPLAVGIAFFLMTFLAS

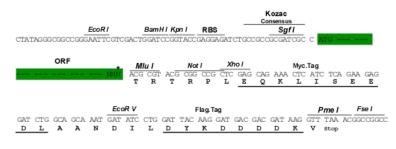
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6267 a10.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_004952

ORF Size: 714 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

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.

NM 004952.5 RefSeq:

RefSeq Size: 1782 bp RefSeq ORF: 717 bp Locus ID: 1944 **UniProt ID:** P52797 Cytogenetics: 1q21.3 Domains: **Ephrin**

Protein Families: Druggable Genome

Protein Pathways: Axon guidance

MW: 26.4 kDa

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

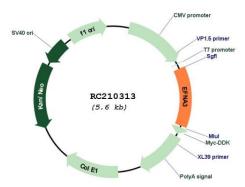
glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are

transmembrane proteins. This gene encodes an EFNA class ephrin. [provided by RefSeq, Jul

2008]



Product images:



Circular map for RC210313