

Product datasheet for RC213728

Ephrin A2 (EFNA2) (NM_001405) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ephrin A2 (EFNA2) (NM_001405) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ephrin A2
Synonyms:	ELF-1; EPLG6; HEK7-L; LERK-6; LERK6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC213728 representing NM_001405 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGGCGCCCGCGCAGCGCCCGTCTCCCGTCTGCTCCTGCTGTTACCGCTGCCGCGCCGCCCTTCGCGCGCCGAGGACGCGCCCGCCGCAACTCGGACCGCTACGCGGTCTACTGGAACCGCAGCAACCCAGGTTCCACGCAGGCGGGGGACGACGGCGGGGTACACGGTGGAGGTGAGCATCAATGACTACCTGGACATCTACTGCCCGCACTATGGGGCGCCGTGCCCGCCGAGCGCATGGAGCACTACGTGCTGTACATGGTCAACGGCAGGGCCACGCCTCCTGCGACCACCGCCAGCGGGTCAAGCGCTGGGAGTGAACCGGCCGCGGGCGCCGGGGGCCGCTCAAGTTCGCGAGAAGTTCAGCTCTTACGCCCTTCTCCCTGGGCTTCGAGTTCGGCCCGCCACGAGTATTACTACATCTCTGCCACGCCTCCCAATGCTGTGGACCGGCCCTGCCGCGACTGAAGGTGTACGTGCGGCCGACCAACGAGACCCTGTACGAGGCTCCTGAGCCCATCTTACCAGCAATAACTCGTGTAGCAGCCCGGGCGGCTGCCGCTCTTCTCAGCACCATCCCCGTGCTCTGGACCCTCTGGGTTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATTACAAGGATGACGACGATAAGGTTTAA



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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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001405.4](#)

RefSeq Size: 642 bp

RefSeq ORF: 642 bp

Locus ID: 1943

UniProt ID: [O43921](#)

Cytogenetics: 19p13.3

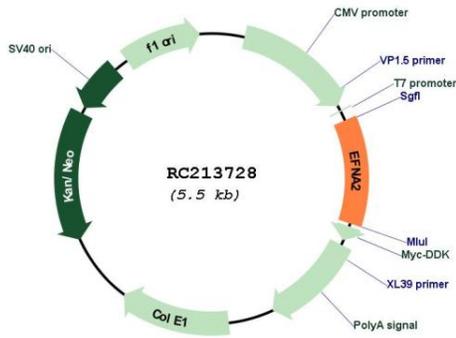
Protein Families: Druggable Genome

Protein Pathways: Axon guidance

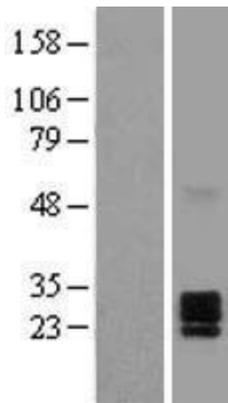
MW: 23.88 kDa

Gene Summary: This gene encodes a member of the ephrin family. The protein is composed of a signal sequence, a receptor-binding region, a spacer region, and a hydrophobic region. 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. 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. Posttranslational modifications determine whether this protein localizes to the nucleus or the cytoplasm. [provided by RefSeq, Jul 2008]

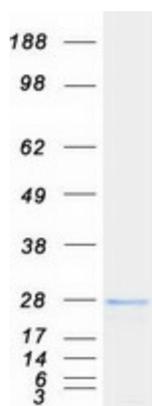
Product images:



Circular map for RC213728



Western blot validation of overexpression lysate (Cat# [LY400546]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC213728 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified EFNA2 protein (Cat# [TP313728]). The protein was produced from HEK293T cells transfected with EFNA2 cDNA clone (Cat# RC213728) using MegaTran 2.0 (Cat# [TT210002]).