

Specifications:

Gene:	mEphb2
Accession:	NP_034272.1
Insert size:	2974bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

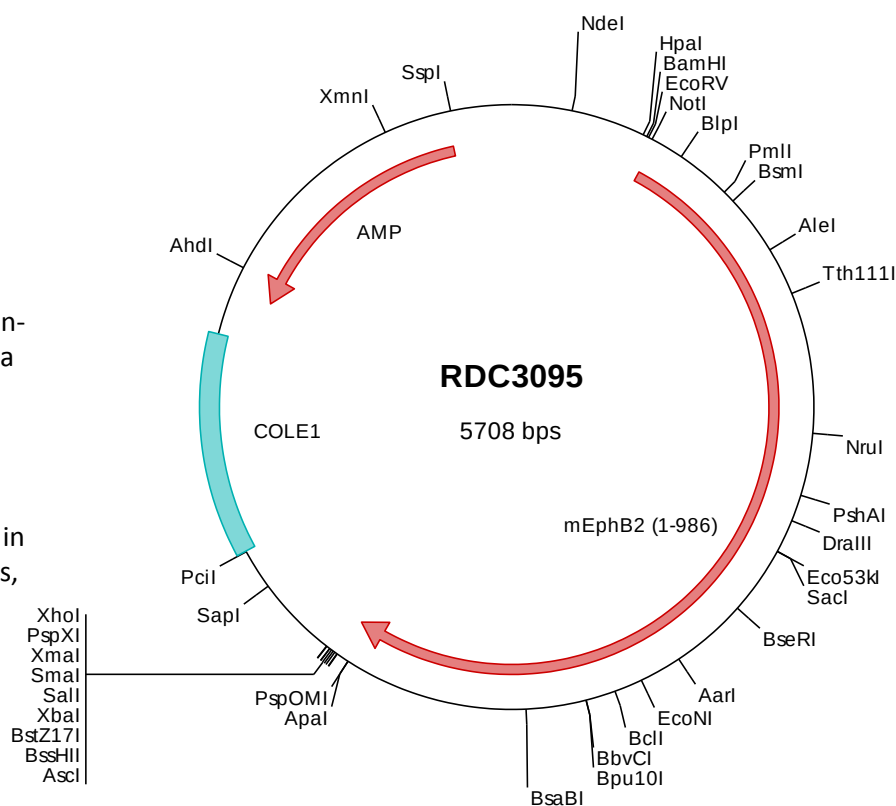
mEphB2 cDNA Plasmid

Ephb2 Eph receptor B2 [*Mus musculus* (house mouse)]

Also known as: Drt; Erk; Nuk; Cek5; Hek5; Qek5; Sek3; ETECK; Prkm5; Tyro5

Summary:

EphB2 belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EphB2 is a receptor for ephrin-B family members. It has been shown to bind ephrin-B1, ephrin-B2, and ephrin-B3. Eph and Eph-related receptors have been implicated in mediating developmental events, particularly in the nervous system. The Eph families also appear to play a role in angiogenesis.



> RDC3095 Plasmid DNA Sequence

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201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctcgcg aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgcccagct ggcgaaaagg ggaatgtgtg caaggcgatt aagtttggga atgccagggt tttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggaatcgata tcgctagcgc ggccggccacc atggcagtg cagggtggg tgctgcaact ctgctgtgc cgctgttagc
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> RDC3095 Translated Insert Sequence

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201  iqngalfqet lsgaestslv aargsciana eevdvpikly cngdgewlvp igrcmckagf eavengtvcr gcpsgtfkan ggdeacthop insrttsega
301  tncvcnngyy radldpldmp cttipspaga vissvnetls mlewtpprds ggredlvyni icksccsgrg actrcgdnvg yaprqlgite priyisdlia
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501  gaiyvfqvara rtvaggyrys gkmyfqtmtc aeyqtsikek lplivgssaa glvfliavvv iaivcnrrgf eradseytdk lqhytsghmt pgmkiyidpf
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701  fmengsldsf lrqndgqftv iqlvgmlrgi aagmkyladm nyvhrdlaar nilvnsnlvc kvsdfglrslf ledtdsdpdy tsalggkipi rwtapeaiqy
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