

Specifications:

Gene:	<i>hEPHB2</i>
Accession:	NP_059145
Insert size:	2974bp
Concentration:	10µg at 0.2µg/µL

hEphB2 cDNA Plasmid

EPHB2 EPH receptor B2 [*Homo sapiens* (human)]

Also known as: DRT; EK5; ERK; CAPB; Hek5; PCBC; EPHT3; Tyro5

Summary:

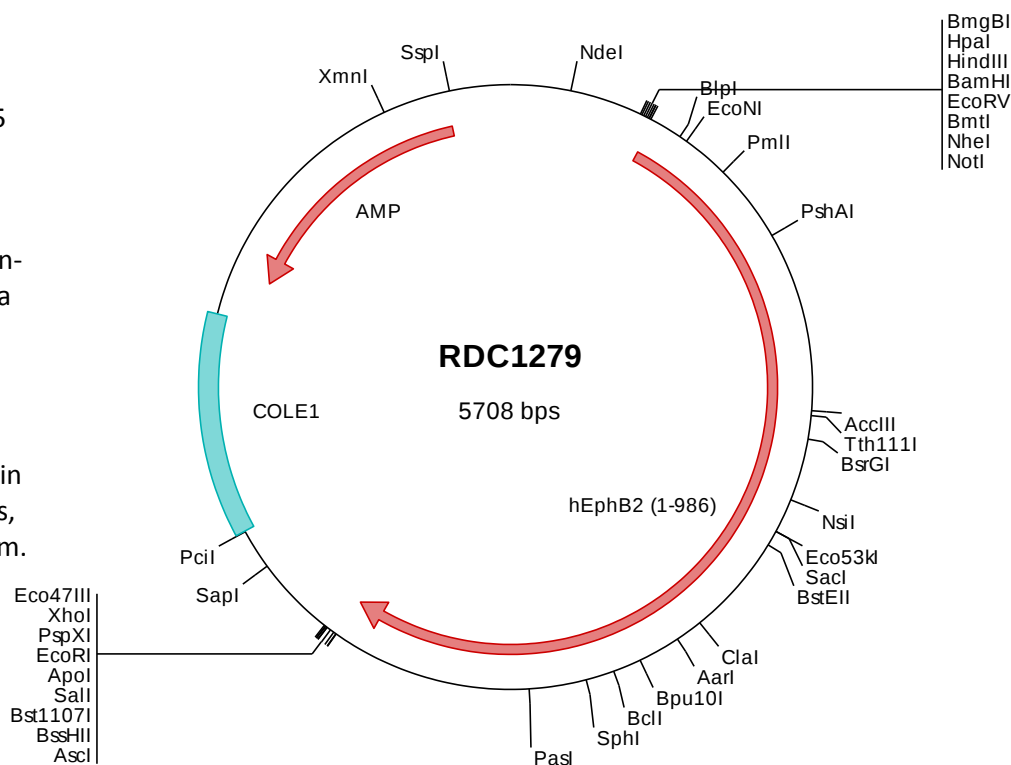
EphB2 belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EphB2 is a receptor for ephrin-B family members. It has been shown to bind ephrin-B1, ephrin-B2, and ephrin-B3. Eph and Eph-related receptors have been implicated in mediating developmental events, particularly in the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

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.





> RDC1279 Plasmid DNA Sequence

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101  tcagggcgcg tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gtgtgaaata
201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgctgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaagggt ggaatgtctg caaggcgatt aagtgtggta acgcagggtt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggaatccgata tgcgtagcgc ggccgcacac atggtctctgc ggaggtctgg ggccgcgctg ctgctctctg cgtctctctg
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601  gagaacatga acacgatccg cactgaccag gtgtgcaacg tgtttgagtc aagccagaac aactggctac ggaccaagt tatccggcgc cgtggcgccc
701  accgcatcca cgtggagatg aagttttcgg tgcgtgactg cagcagcacc ccacgctgc ctggctctct caaggagacc ttcaacctct attactatga
801  ggctgacttt tactcggcca ccaagacctt ccccaactg atggagaatc catgggtgaa ggtggatacc attgcagccg acgagagctt ctcccagggt
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2201 acacacagtg ccacatgacc ccaggcatga agatctacat cgatctcttc acctacagag accccaaaga ggcagtgcgg gactttgcca aggaattga
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2501 acctggaggg tctcgtgacc aagagcacac ctgtgatgat catcacggcg ttcattggaa atggctctct ggactcttt ctccggcaaa acgatgggca
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> RDC1279 Translated Insert Sequence

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201  iqngaifqet lsgaestslv aargsciana eevdvpikly cngdgewlvp igromckagf eavengtver gcpsgtfkan ggdeacthpc insrttsega
301  tncvcrngyq radldpldmp cttipspaqg viissvnetl mlewtpprds ggredlyvni ickscgsgrg actrcgdnvq yaprqlglte priyisdlia priyisdlia
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501  gailyvfqvr rtvagygrys gkmyfqtmtc aeyqtsiqek lplliigssaa glvfliaavv iaivcnrrgf eradseytdk lqhytsgghmt pgmkiiydpf
601  tyedpneavr efakeidisc vkieqvigag efgevcshdm klpgkreifv aikltksygt ekqrrdflse asimqgfdhp nvihlegvvt kstpvmiite kstpvmiite
701  fmeensldsf lrqndgqftv iqlvgmlrli aagmkyladam nyvhdrllaar nilvnsnlvc kvdsdfglrfr ledtdsdpdy tsalggkiki rwtapeaiqy
801  rkftsasdvw sygimwewm sygerpywdm tnqdvdinaie qdyrlpppmd cpsalhqml cdcwqkdrnhr pkfgqivntl dkmiirnpnl kamaplssgi kamaplssgi
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