

Specifications:

Gene:	<i>hEPHB3</i>
Accession:	NP_004434
Insert size:	3010bp
Concentration:	10µg at 0.2µg/µL

hEphB3 cDNA Plasmid

EPHB3 EPH receptor B3 [*Homo sapiens* (human)]

Also known as: ETK2; HEK2; TYRO6

Summary:

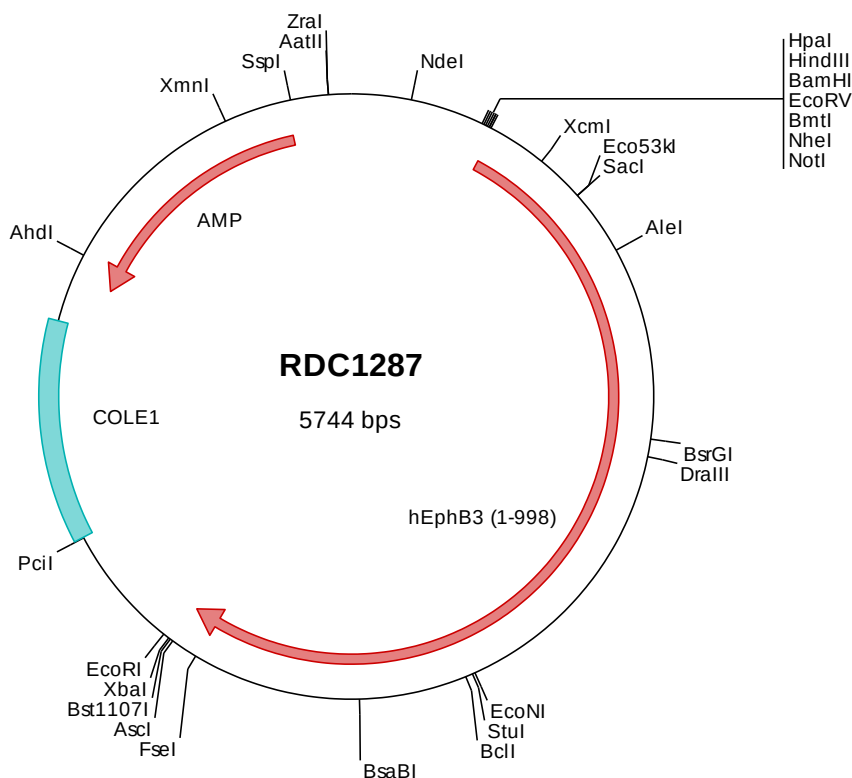
EphB3 belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EphB3 is a transmembrane receptor for ephrin-B family members. Binding of EphB3 to its ligands Ephrin B1, B2, and B3 triggers forward signaling through EphB3 as well as reverse signaling through the Ephrin. EphB3 function is important in vascular, nervous system, thymocyte, and palate development. It directs embryonic neuronal axon pathfinding, and its upregulation on local macrophages following neuronal injury promotes the growth of regenerating axons.

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.





> RDC1287 Plasmid DNA Sequence

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> RDC1287 Translated Insert Sequence

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