

Specifications:

Gene:	mEpha2
Accession:	NP_034269
Insert size:	2946bp
Concentration:	10µg at 0.2µg/µL

**mEphA2 cDNA
Plasmid**

Epha2 Eph receptor A2 [*Mus musculus* (house mouse)]

Also known as: Eck; Myk2; Sek2; Sek-2; AW545284

Summary:

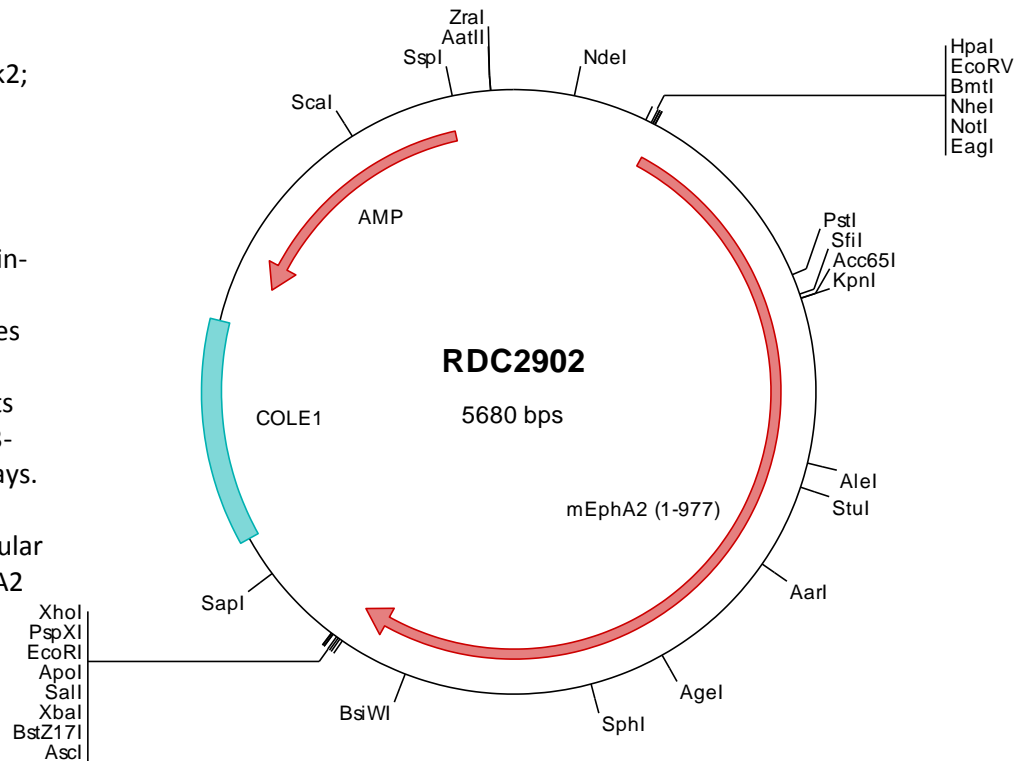
EphA2 belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. It binds ephrin-A ligands. EphA2 becomes autophosphorylated following ligand binding and then interacts with SH2 domain-containing PI3-kinase to activate MAPK pathways. It is upregulated in breast, prostate, and colon cancer vascular endothelium. Mutations in EphA2 are the cause of certain genetically-related cataract disorders.

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.



> RDC2902 Plasmid DNA Sequence

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> RDC2902 Translated Insert Sequence

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