

Specifications:

Gene:	hROBO3
Accession:	NP_071765
Insert size:	4174bp
Concentration:	10µg at 0.2µg/µL

hROBO3 cDNA Plasmid

**ROBO3 roundabout guidance
receptor 3 [*Homo sapiens*
(human)]**

Also known as: HGPS; RIG1;
HGPPS; RBIG1

Summary:

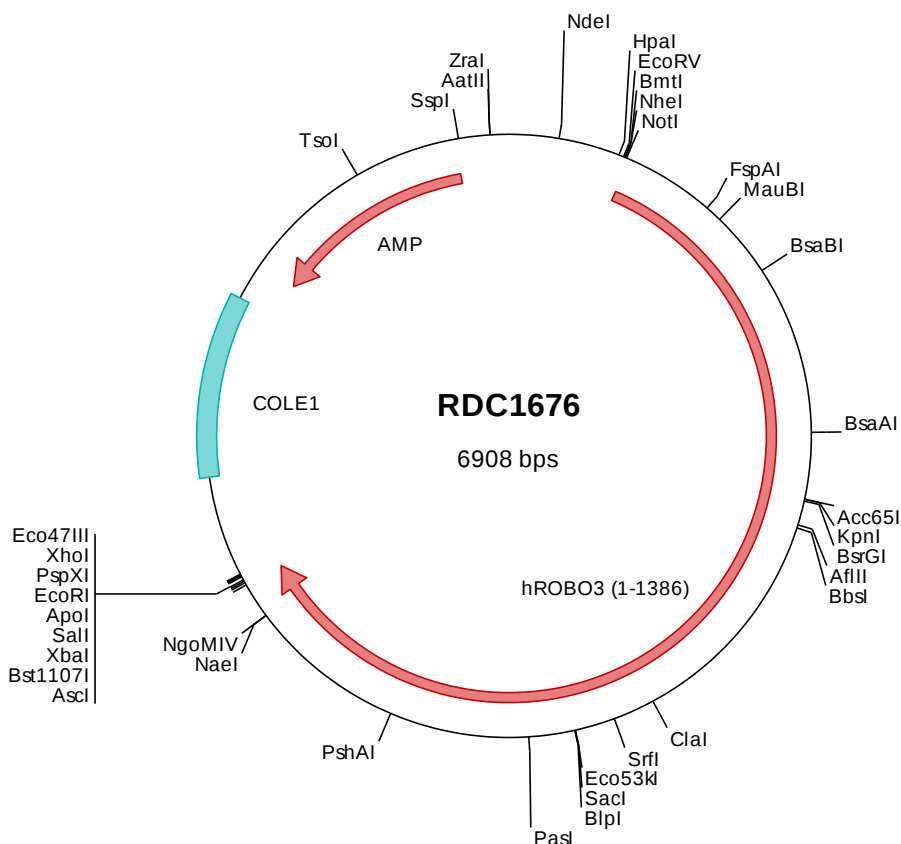
ROBO3 is a member of the Roundabout (ROBO) gene family that controls neurite outgrowth, growth cone guidance, and axon fasciculation. SLIT proteins 1-3, a family of secreted chemorepellants, are ligands for ROBO proteins and SLIT/ROBO interactions regulate myogenesis, leukocyte migration, kidney morphogenesis, angiogenesis, and vasculogenesis in addition to neurogenesis. Unlike other ROBO family members, ROBO3 lacks motif CC1. Mutations ROBO3 result in horizontal gaze palsy with progressive scoliosis (HGPPS). Alternative spliced transcripts encoding different proteins have been described.

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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1676 Plasmid DNA Sequence

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> RDC1676 Translated Insert Sequence

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