

## Specifications:

Gene:	mROBO4
Accession:	AAQ10749
Insert size:	3052bp
Concentration:	10µg at 0.2µg/µL

## mROBO4 cDNA Plasmid

**Robo4 roundabout homolog 4 (Drosophila) [ *Mus musculus* (house mouse) ]**

### Summary:

The roundabout (ROBO) family of proteins is characterized as immunoglobulin-type surface receptors that are critical for cellular migration and pathway finding of neuronal axons. ROBO4 is expressed in hematopoietic stem and progenitor cells. It plays a role in hematopoietic stem cell trafficking such as bone marrow homing and peripheral mobilization.

## 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.



