

## Specifications:

|                |                  |
|----------------|------------------|
| Gene:          | <i>h</i> LRP6    |
| Accession:     | NP_002327        |
| Insert size:   | 4855bp           |
| Concentration: | 10µg at 0.2µg/µL |

## 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. |

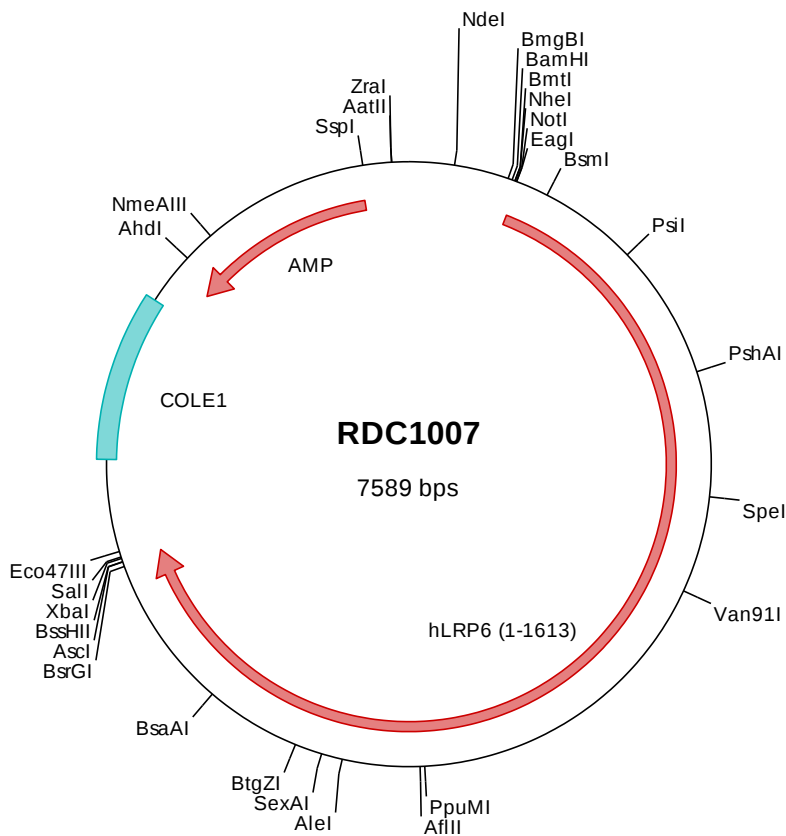
## *h*LRP-6 cDNA Plasmid

**LRP6 low density lipoprotein receptor-related protein 6**  
[ *Homo sapiens* (human) ]

**Also known as:** ADCAD2

### Summary:

LRP6 is a member of the low density lipoprotein (LDL) receptor gene family. LDL receptors are transmembrane cell surface proteins involved in receptor-mediated endocytosis of lipoprotein and protein ligands. LRP6 functions as a receptor or, with Frizzled, a co-receptor for Wnt and thereby transmits the canonical Wnt/beta-catenin signaling cascade. Through its interaction with the Wnt/beta-catenin signaling cascade LRP6 plays a role in the regulation of cell differentiation, proliferation, and migration and the development of many cancer types.





## > RDC1007 Plasmid DNA Sequence

```
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## > RDC1007 Translated Insert Sequence

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