

Specifications:

Gene:	hLGR6
Accession:	NP_067649
Insert size:	2761bp
Concentration:	10µg at 0.2µg/µL

hLGR6 cDNA Plasmid

**LGR6 leucine-rich repeat
containing G protein-
coupled receptor 6 [*Homo
sapiens* (human)]**

Also known as: GPCR

Summary:

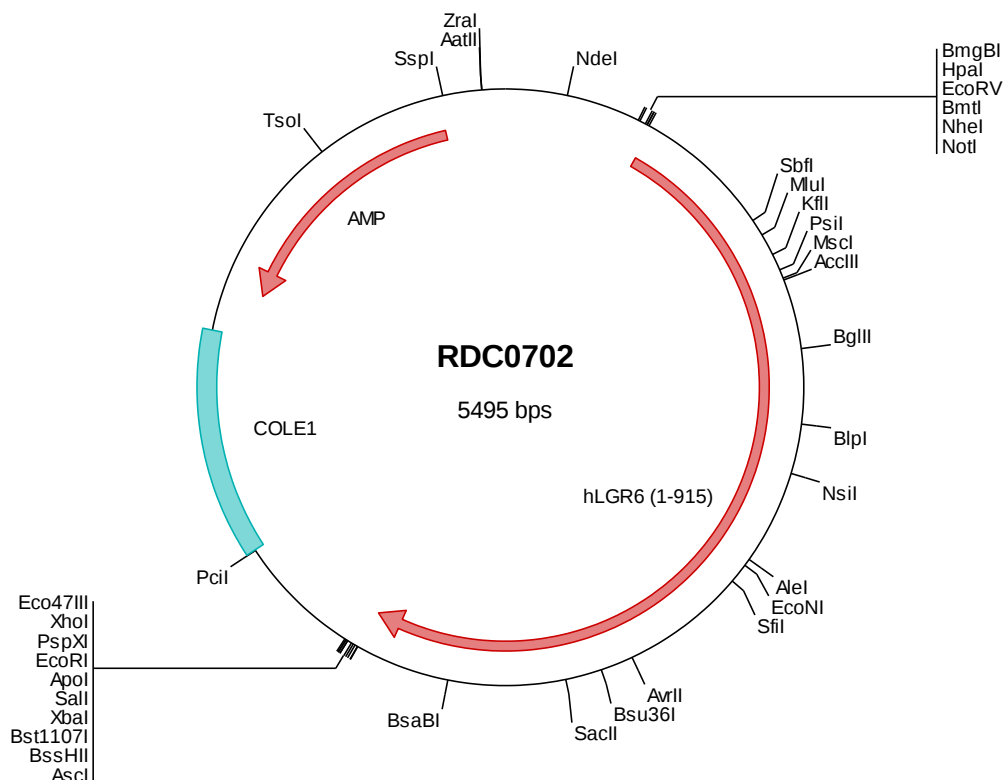
LGR is a glycoprotein hormone receptor phosphorylated upon DNA damage, probably by ATM or ATR. It is a member of the leucine-rich repeat-containing subgroup of the G protein-coupled 7-transmembrane protein superfamily. LGR6 is a high affinity receptor for R-spondins 1-3 and potentially functions as a tumor suppressor despite its positive effect on Wnt/β-catenin signaling.

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.





> RDC0702 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
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401  ggagacgtgt taacaagctt ggaatccgata tgcgtagcgc gggccgccacc atgggaagac caaggttgac acttgtttgt caagtgtcaa taatcatctc
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601  tcacacatcc caggacaagc attctctggt ctctacagcc tgaaaaactc gatgtctcag aacaatcagc tgggaggaat ccccgagag gcgctgtggg
701  agctgccag cctgcagctg ctgcgcctag atgccaacct catctccctg gtcccgagga ggagctttga ggggctgtcc tccctccgcc acctctggct
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> RDC0702 Translated Insert Sequence

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201  irtlglqlgl gfhnnnikai pekafmggnpl lqtihfyndp ifvgrsfaq ylpklhtsl ngamdigefp dlkgttlslei ltltragirl lpsgmccqlp
301  rlrvlslshn qieelpslhr cqkleeiglg hnriweigad tfsqlsslqg ldslwnairs ihpeafstlh slvkldltdn qlttlplagl gglmhlklkg
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501  kpceylfesh girlavwaiv llsvlcnlgv lltvfagpvy plppvkfvvg aiagantltg iscgllasvd altfggfsey garwetgicg ratgflavlg
601  seasvllltl aavqcsvsvs cvraygksps lgsvragvlg clalaglaaa lplavsvgey asplclpyap peggpaalgf tvalvmnsf cflvvagayi
701  klycdlprgd feavwdcamv rhvawlifad gllycpvafll sfasmllgflp vtpeavksvl lvvlplpacl npillyllfnp hfrdlrlrlr pragdsqpla
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901  gggfqpsgla fashv
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