

Specifications:

Gene:	hGPR161
Accession:	NP_722561
Insert size:	1603bp
Concentration:	10µg at 0.2µg/µL

hGPR161 cDNA Plasmid

GPR161 G protein-coupled receptor 161 [*Homo sapiens* (human)]

Also known as: RE2

Summary:

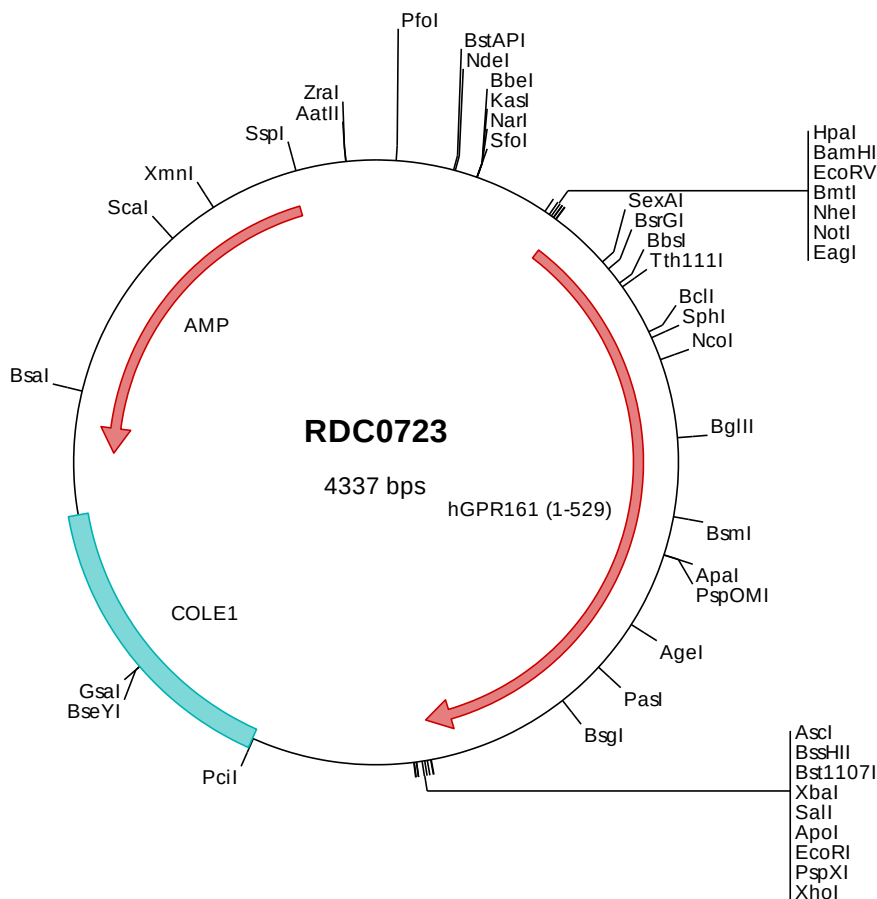
GPR161 belongs to the G protein-coupled receptor 1 family. It is a negative regulator of Shh signaling, which promotes the processing of GLI3 into GLI3R during neural tube development. Several transcripts encoding different proteins have been described.

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.





> RDC0723 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccc
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201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagtttggta acgccagggt ttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgcgaac atgagcctca actcctccct cagctgcagg aaggagctga gtaatctcac
501  tgaggaggag ggtggcgaag gggcgctcat catcaccacg ttcctgcgca tcaattgtat caccattttt gtctgcctgg gaaacctggt catogtggtc
601  aocctgtaca agaagtccca cctcctcacc ctcagcaaca agttcgtctt cagcctgact ctgtccaact tccctgtctc cgtgttgggt ctgccttttg
701  tggtagcagc ctcacatccg agggaatgga tcttgggtgt agtgtgtgct aacttctctg cctcctctca cctgtctgac agctctgcca gcactgtaac
801  cctcggggtc attgcccacg acccgaacta tgctgtcctg taccocatgg tgtaccccat gaagatoaca gggaaccggg ctgtgatggc acttgtctac
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> RDC0723 Translated Insert Sequence

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101  nfsallylli ssasmltlgv iaiddyavvl ypmvypmkit gnrvamvalvy iwlhsligcl pplfgwssve fdefkwmcva awhrepgyta fwqiwcalfp
201  flvmlvcygf ifrvarvkar kvhcgvtviv eedaqrtgrk nsststsssg srnafgqvvy ysancqkali tilvvlgaflm vtwgpymvvi asealwkkss
301  vspslsetwat wlsfasavch pliyglwnkt vrkellgmcf gdryyrepfv qrqrtsrlfs isnritdlgl sphltalmag gqplghssst gdtgfscsqd
401  sgtdmmlled ytsddnppsh ctcppkrrss vtfedeveqi keaaknsilh vkaevhksld syaaslakai eaeakinlfg eealpgvlvt artvpgggf
501  grrgsrtlvs qrlqlqslsee gdlvlaaeqr
```