

Specifications:

Gene:	hGPR30
Accession:	NP_001496
Insert size:	1141bp
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.

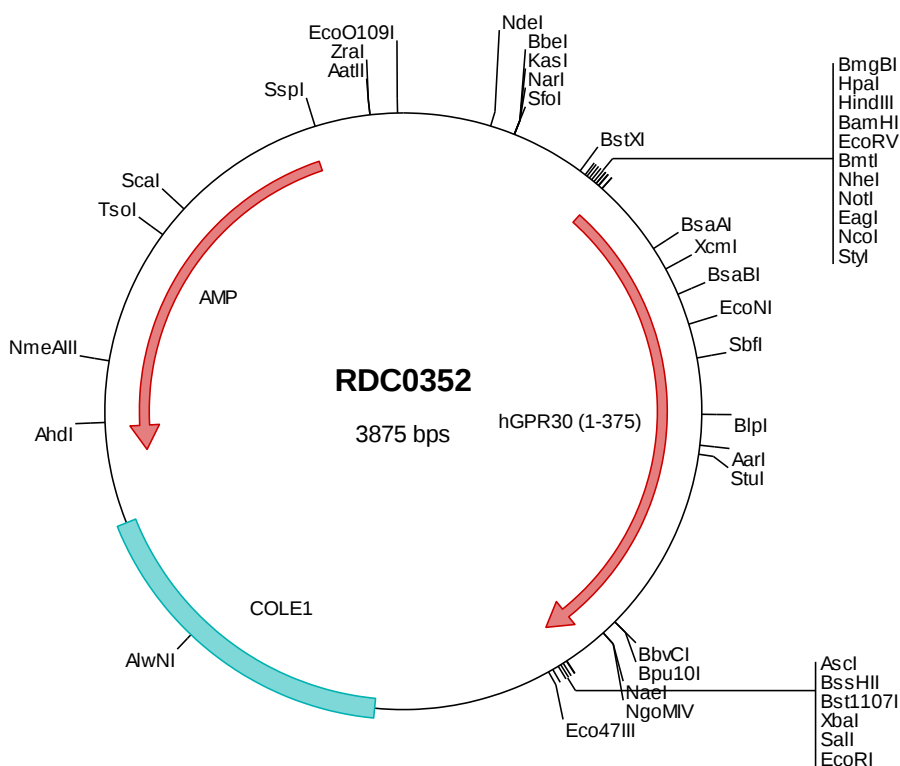
hGPER/GPR30 cDNA Plasmid

GPER G protein-coupled estrogen receptor 1 [*Homo sapiens*]

Also known as: CEPR; DRY12; FEG-1; GPR30; LERGU; LyGPR; CMKRL2; LERGU2; GPCR-Br; MGC99678

Summary:

GPR30 is a member of the G protein-coupled receptor 1 family and encodes a multi-pass membrane protein that localizes to the endoplasmic reticulum. It binds estrogen, resulting in intracellular calcium mobilization and synthesis of phosphatidylinositol 3,4,5-trisphosphate in the nucleus. GPR30 therefore plays a role in the rapid nongenomic signaling events widely observed following stimulation of cells and tissues with estrogen.





> RDC0352 Plasmid DNA Sequence

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```

> RDC0352 Translated Insert Sequence

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201  tdeacfccad  vrevqlevt  lgfiwpfaii  glcyslivrv  lvrahrhrgl  rprrrkalrm  ilavvlvffv  cwlpenvfis  vhllqrtqpg  aapckqsfrh
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