

Specifications:

Gene:	<i>hPRTG</i>
Accession:	NP_776175
Insert size:	3466bp
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.

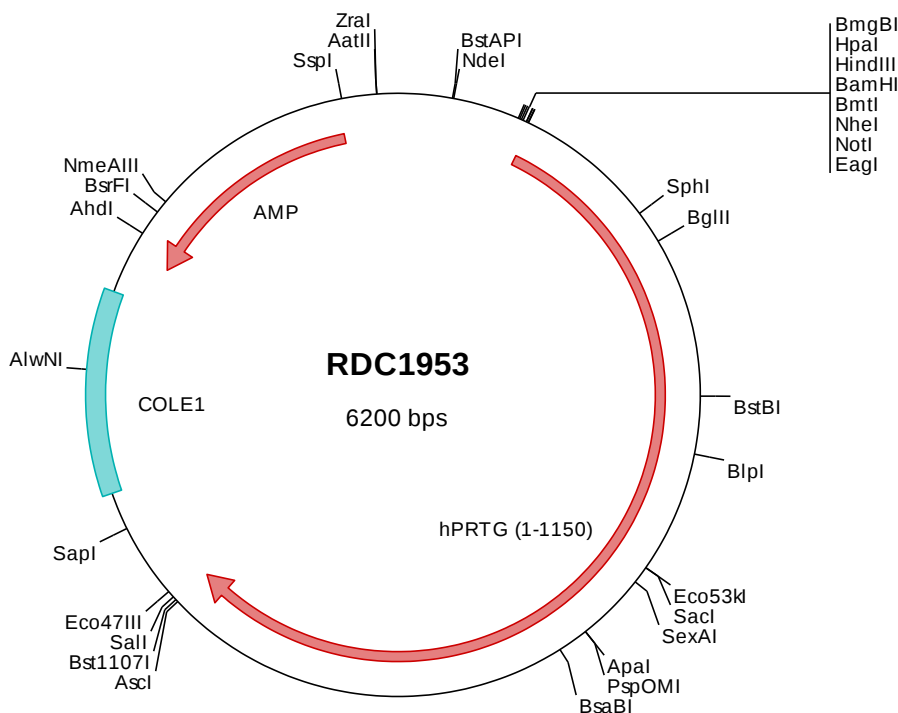
*h*Protogenin cDNA Plasmid

PRTG protogenin [*Homo sapiens* (human)]

Also known as: IGDC5

Summary:

PRTG is a member of the immunoglobulin superfamily. It is a transmembrane protein and has been associated with the development of various tissues, especially neurogenesis. It has been suggested that PRTG may be associated with attention deficit hyperactivity disorder (ADHD).



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1953 Plasmid DNA Sequence

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1   tcgcgcgcttt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacgggtca cagcttgtct gtaagcggat gccggggagca gacaagcccg
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201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc aggctgtcgc cagctgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgcccagct ggcgaaaagg ggaatgtctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaaat
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> RDC1953 Translated Insert Sequence

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201  gnyrciaatv ahrkksmeas ltvipakesk sfhtpttiag pqnittslhq tvvlecmatg npkpiiswsv ldhksidvfn trvlngnldm isdvrlqhag
301  yvvrcattpg trnfatvamaf ltvlpapsfv eweslptrpr eqipspkmsw lkngrkihsn grikmysnsl vinqiipded aiycqmaens
401  qgsilsrarl tvvmsedxps apynvhaetm ssaillawe rplynsdkvi aysvhyhmae glneeeyqvq igndtthyii ddlepasnyt fyivaympmg
501  asqmsdhvtq ntledvplrp peisltsrsp tdliswlpi pakyrrgqvq lyrlsfrlst ensiqvlelp gtttheylleg lkpdsrvylvr itaatrvldg
601  essvwtshrt pkatsvkapk ctctisvrwqg qspglpifldt qengpifldt kdllytlslg kdllytlslg dprkyhvrll laynrvldg
701  qadqtvstpg cvsvrdmvp ppppphhlya kantsssf1 hwrrpafaa qiinytircn pvglqnaslv lyltsethml lvqglepntk yefavrlhvd
801  glsspwpvsv yhstlpeapa gpppvkvvtl ieddtalvsw kppdpgetvv trytilyasr kawiagewqv lrhregaitma lkenlvagnv yivkisasne
901  vgepfnsnv elavlpkts esnqrprkrl sadakvysyq yhlldqkmsgt iavcgvgialt yrskarkssa ctaaqnqtgq lprtsaslal
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