

Specifications:

Gene:	hRET
Accession:	NP_066124
Insert size:	3398bp
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.

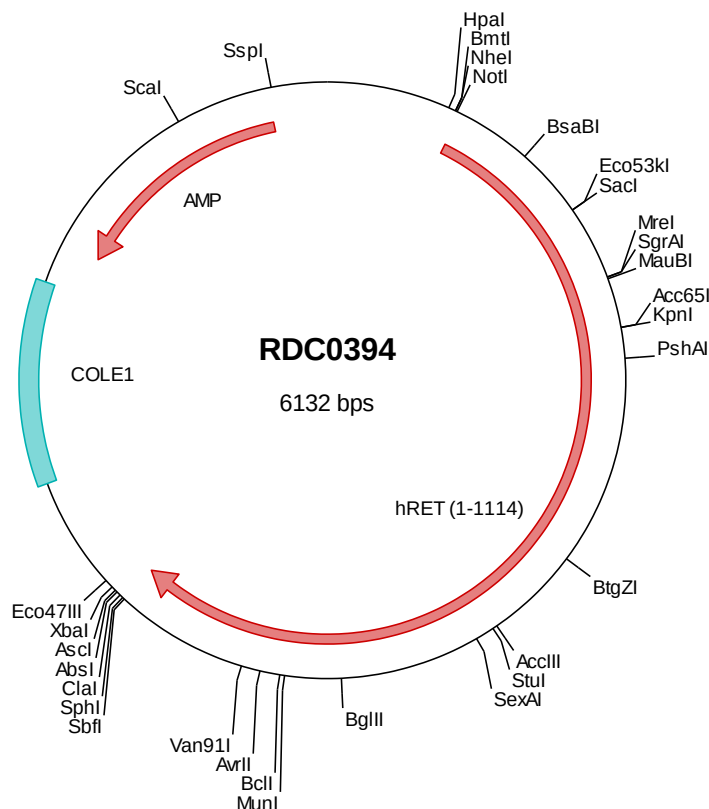
hRET cDNA Plasmid

RET ret proto-oncogene [*Homo sapiens*]

Also known as: PTC; MTC1; HSCR1; MEN2A; MEN2B; RET51; CDHF12; CDHR16; RET-ELE1

Summary:

RET is a member of the cadherin superfamily. It is one of the receptor tyrosine kinases, which are cell-surface molecules that transduce signals for cell growth and differentiation. RET plays a crucial role in neural crest development, and it can undergo oncogenic activation in vivo and in vitro by cytogenetic rearrangement. Mutations in RET are associated with several disorders including multiple endocrine neoplasia, type IIA, multiple endocrine neoplasia, type IIB, Hirschsprung disease, and medullary thyroid carcinoma.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0394 Plasmid DNA Sequence

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6101
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> RDC0394 Translated Insert Sequence

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