

Specifications:

Gene:	hSMPD2
Accession:	NP_003071.2
Insert size:	1285bp
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.

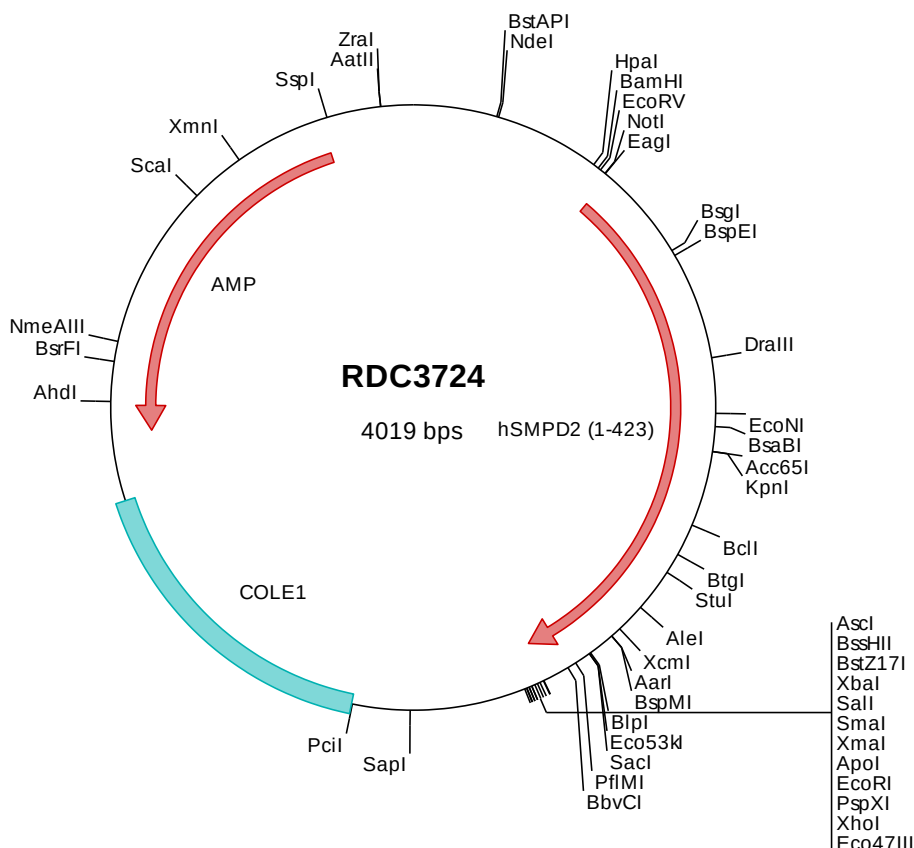
hnSMase cDNA Plasmid

SMPD2 sphingomyelin phosphodiesterase 2 [*Homo sapiens* (human)]

Also known as: ISC1; NSMASE; NSMASE1

Summary:

SMPD2 was initially identified as a sphingomyelinase based on sequence similarity between bacterial sphingomyelinases and a yeast protein. Subsequent studies showed that its biological function is less likely to be as a sphingomyelinase and instead as a lysophospholipase.



> RDC3724 Plasmid DNA Sequence

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1  tcgcgcggtt  cggatgatgac  ggtgaaaacc  totgacacat  gcagctcccc  gagacggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccg
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> RDC3724 Translated Insert Sequence

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