

Specifications:

Gene:	hCRIM1
Accession:	NP_057525
Insert size:	3124bp
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.

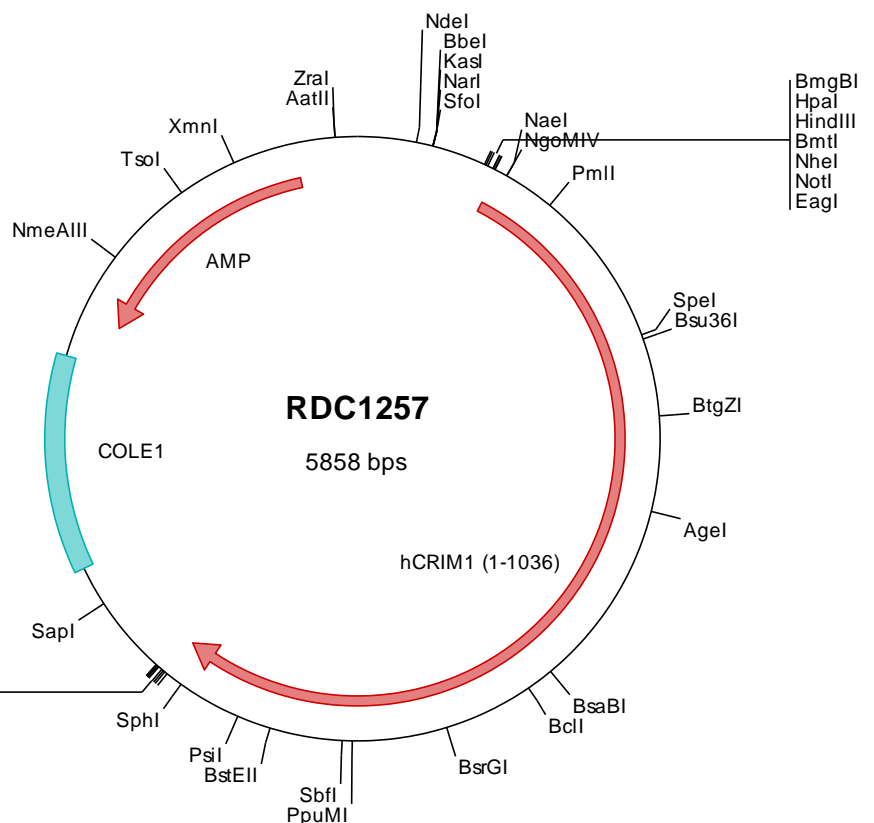
hCRIM1 cDNA Plasmid

CRIM1 cysteine rich transmembrane BMP regulator 1 (chordin-like) [*Homo sapiens* (human)]

Also known as: S52; CRIM-1

Summary:

CRIM1 is a type I transmembrane glycoprotein of the chordin like cysteine rich repeat (CRR) family of BMP inhibitors. It may play a role in tissue development. CRIM1 can interact with TGF β family ligands, including BMPs 2, 4 and 7, via its CRR domains. It binds BMPs intracellularly and antagonizes them by lowering their expression, processing and secretion. CRIM1 is expressed in the developing spinal cord in the floor plate and developing motor neurons. It is also expressed by perivascular smooth muscle cells and aligns at points of cell cell contact during endothelial cell capillary formation.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

