

Specifications:

Gene:	rVsir
Accession:	NP_001037765
Insert size:	943bp
Concentration:	10µg at 0.2µg/µL

**rVISTA/B7-H5/PD-1H
cDNA Plasmid**

**Vsir V-set immunoregulatory
receptor [*Rattus norvegicus*
(Norway rat)]**

Summary:

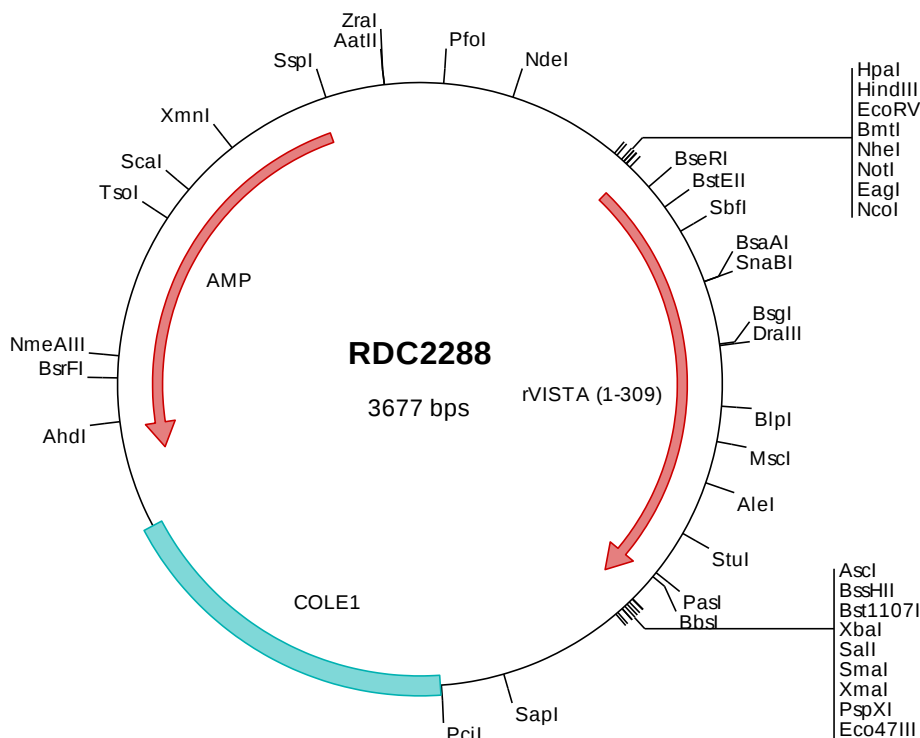
B7-H5 is a member of the Ig superfamily. It is a transmembrane glycoprotein expressed in bone, on embryonic stem cells (ESCs), and on tumor cell surfaces. B7-H5 promotes both MT1 MMP expression and the MT1 MMP mediated activation of MMP 2. B7-H5 undergoes proteolytic cleavage by MT1 MMP, generating a soluble extracellular fragment and a membrane bound fragment. On ESCs, B7-H5 appears to positively interact with BMP 4, potentiating BMP signaling and the transition from an undifferentiated to a differentiated state. Its expression on tumor cells attenuates the anti-tumor immune response and enables more rapid tumor progression.

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.



> RDC2288 Plasmid DNA Sequence

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> RDC2288 Translated Insert Sequence

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