*h*KIR2DS2 VersaClone cDNA

Catalog Number: RDC1759

Specifications:

Gene:	*h*KIR2DS2
Accession:	NP_036444
Insert size:	928bp
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.

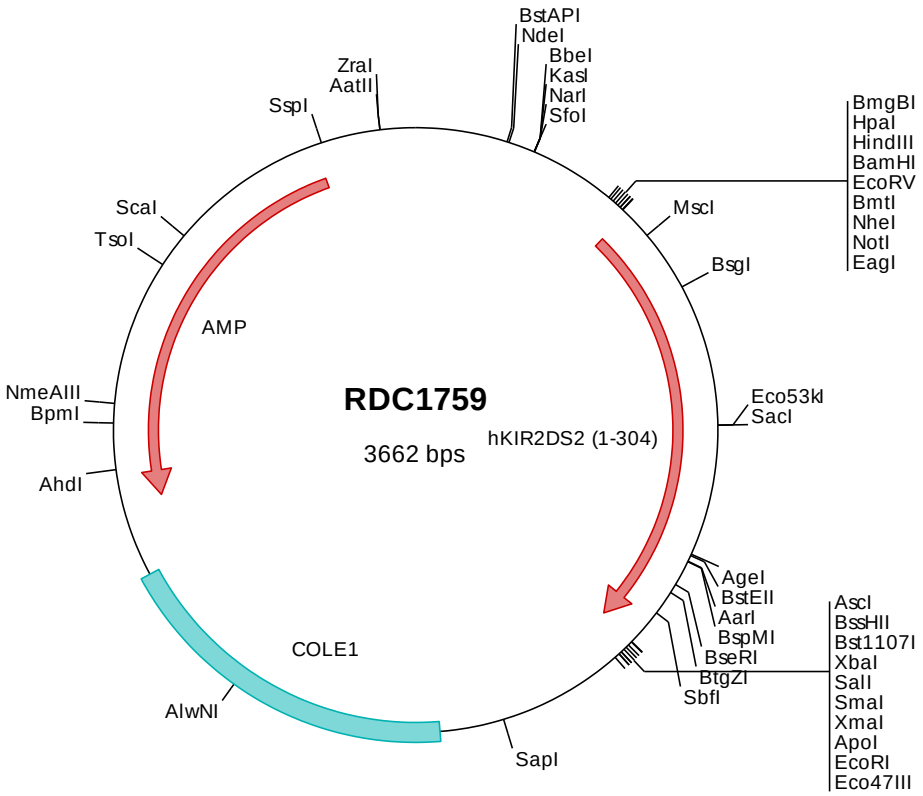
Preparation and Storage

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*KIR2DS2 cDNA Plasmid

KIR2DS2 killer cell immunoglobulin like receptor, two Ig domains and short cytoplasmic tail 2 [*Homo sapiens* (human)]

Also known as: NKAT5; cl-49; CD158J; CD158b; NKAT-5; 183ActI; KIR-2DS2



Summary:

KIR2DS2 is a killer cell immunoglobulin-like receptor. It is a transmembrane glycoprotein expressed by natural killer cells and subsets of T cells. KIR2DS2 contains a short cytoplasmic domain which lacks the immune tyrosine-based inhibitory motif (ITIM) and instead associates with the TYRO protein tyrosine kinase binding protein to transduce activating signals. KIR proteins are thought to play an important role in regulation of the immune response. Alternatively spliced transcripts encoding different proteins have been described.

FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

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> RDC1759 Plasmid DNA Sequence

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 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
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1501  cggaagcata aagtgtaaag cctggggtgc ctaatgagtg agctaactca cattaattgc gttgcgctca ctgcccgctt tccagtcggg aaacctgtcg
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1701  ttcggctgcg gcgagcggta tcagctcact caaaggcggt aatacggtta tccacagaat caggggataa cgcaggaaag aacatgtgag caaaaggcca
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> RDC1759 Translated Insert Sequence

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 201  sfrdspyews nssdpllvsv tgnpsnswps ptepssktgn prhlhvligt svvkipftil lfflhrwcs nkknaavmdq epagnrtvns edsdeqdhqe
 301  vsya
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