*h*NLRP7 VersaClone cDNA

Catalog Number: RDC3609

Specifications:

Gene:	*h*NLRP7
Accession:	NP_996611.2
Insert size:	2956bp
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

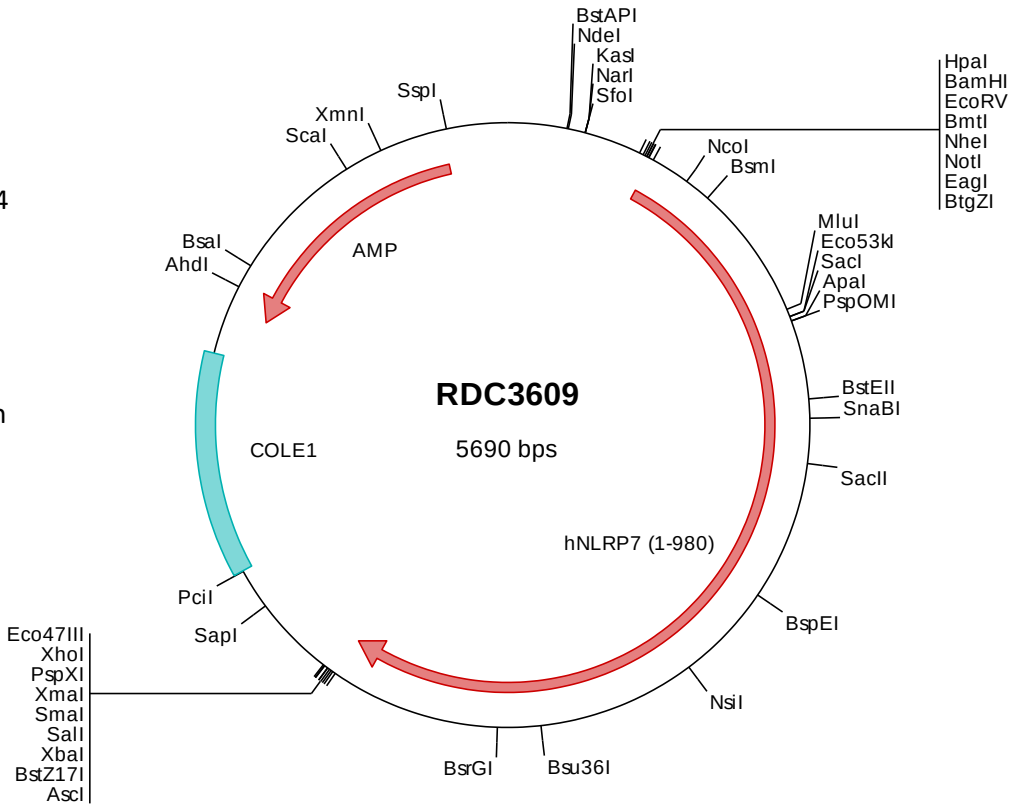
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*NLRP7 cDNA Plasmid

NLRP7 NLR family pyrin domain containing 7 [*Homo sapiens* (human)]

Also known as: HYDM; PAN7; NALP7; NOD12; PYPAF3; CLR19.4

Summary:
NLRP7 is a member of the NACHT, leucine rich repeat, and PYD containing (NLRP) protein family. It has an N-terminal pyrin domain, followed by a NACHT domain, a NACHT-associated domain (NAD), and a C-terminal leucine-rich repeat (LRR) region. NLRP proteins are implicated in the activation of proinflammatory caspases through multiprotein complexes called inflammasomes. NLRP7 may act as a feedback regulator of caspase-1-dependent interleukin 1-beta secretion. Alternative splicing results in multiple transcript variants encoding different isoforms.



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NOT FOR USE IN HUMANS

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> RDC3609 Plasmid DNA Sequence

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> RDC3609 Translated Insert Sequence

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 601  tsevmhcsfs lkhcqdlqkl slqvakgvfl enymdfeldi eferctylti pnwarqdlrs lrlwtdfcsl fssnsnlkfl evkqsflsds svrilcdhvt
 701  rstchlqkve iknvtpdtay rdfclafigk ktlthltlag hiewertmml mlcdllrnhk cnlqylrlgg hcatpeqwae ffyvlkanqs lkhlrlsanv
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