

Recombinant Rabbit TLR9 Protein, His-tagged

Cat. No. TLR9-422R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rabbit TLR9 Protein (Leu864-Asp1012) with N-His tag was expressed in E. coli.
Species	Rabbit
Source	E.coli
ProteinLength	Leu864-Asp1012
Description	The protein encoded by this gene is a member of the Toll-like receptor (TLR) family, which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from Drosophila to humans and share structural and functional similarities. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. Studies in mice and human indicate that this receptor mediates cellular response to unmethylated CpG dinucleotides in bacterial DNA to mount an innate immune response.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 21.1 kDa Accurate Molecular Mass: 20 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

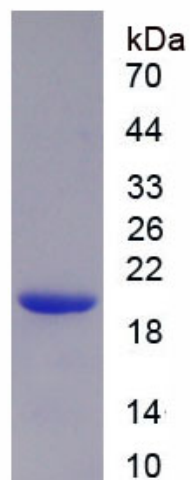
GENE INFORMATION

Gene Name	TLR9 toll like receptor 9 [<i>Oryctolagus cuniculus</i> (rabbit)]
Official Symbol	TLR9
Synonyms	TLR9; toll like receptor 9; LOW QUALITY PROTEIN: toll-like receptor 9; twinfilin-like protein
Gene ID	100346109
mRNA Refseq	XM_008260758
Protein Refseq	XP_008258980
UniProt ID	G4VV65

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