

## Datasheet for ABIN935864 TLR3 Protein



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### Overview

Quantity:	25 µg
Target:	TLR3
Origin:	Human
Source:	HEK-293T Cells
Protein Type:	Recombinant
Biological Activity:	Active

### Product Details

Sequence: STTKCTVSHE VADCSHLKLT QVPDDLPTNI TVLNLTHNQL RRLPAANFTR YSQLTSLDVG  
FNTISKLEPE LCQKLPMLKV LNLQHNELSQ LSDKTFAFCT NLTELHLSMN SIQIKNNPF  
VKQKNLITLD LSHNGLSSTK LGTQVQLENL QELLSNINKI QALKSEELDI FANSSLKKLE  
LSSNQIKEFS PGCFAIGRL FGLFLNNVQL GPSLTEKLCL ELANTSIRNL SLSNSQLSTT  
SNTTFLGLKW TNLTMLDSY NNLNVVGND SFAWLPQLEYF FLEYNNIQHL FSHSLHGLFN  
VRYLNLKRSF TKQSISLASL PKIDDFSFQW LKCLEHLNME DNDIPGIKSN MFTGLINKY  
LSLSNSFTSL RTLTNETFVS LAHSPHLILN LTKNKISKIE SDAFSWLGHL EVLDLGLNEI  
GQELTGQEW R GLENIFEIYL SYNKYQLQTR NSFALVPSLQ RLMLRRVALK NVDSSPSPFQ  
PLRNLTILD SNNNIANIND DMLEGLEKLE ILDLQHNNLA RLWKHANPGG PIYFLKGLSH  
LHILNLESNG FDEIPVEVFK DLFELKIIDL GLNNLNTLPA SVFNNQVSLK SLNLQKNLIT  
SVEKKVFGPA FRNLTELMR FNPFDCTCES IAWFVNWINE THTNIPELSS HYLCNTPPHY  
HGFPVRLFDT SSCKDSAPFE L

Characteristics: Purified recombinant Human TLR3 protein  
Expression System: 293 cells  
Bioactivity: Determined by its ability to inhibit IL-8 secretion induced by Poly I:C in the TLR3

## Product Details

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receptor-expressing HEK293 cells (HEK293 TLR3r). The ED50 for this effect is  $\approx 30 \mu\text{g/mL}$  in the presence of  $100 \mu\text{g/mL}$  of Poly I:C.

Purity: > 95 % pure

Endotoxin Level: < 0.1 ng per  $\mu\text{g}$  (1 EU/ $\mu\text{g}$ ).

## Target Details

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Target: TLR3

Alternative Name: TLR3 ([TLR3 Products](#))

Background: TLR-3 is a single-pass type I receptor that binds to and signals the presence of microbial pathogens and double stranded RNA (dsRNA) viruses. Signaling through TLR-3 can promote the NF- $\kappa$ B pathway to initiate innate and adaptive immune responses to bacterial and viral infections, as well as the p53 pathway to trigger apoptosis in cells infected with dsRNA viruses. TLR-3 belongs to a family of structurally-related toll-like receptors (TLRs) containing an N-terminal domain rich in leucine repeats and a C-terminal intracellular Toll/interleukin (IL)-1 (TIL) domain. TLR-3 is expressed primarily in dendritic cells of the placenta and pancreas where it can reside on both sides of the plasma membrane and in the endosomal compartment of the cells.

Alternative Names: TLR3, CD283 antigen protein, TLR-3 protein, TLR-3, Toll-like receptor 3, TLR 3 protein, TLR-3 protein, TLR 3

Molecular Weight: 77 kDa

Pathways: [TLR Signaling](#), [Activation of Innate immune Response](#), [Hepatitis C](#), [Toll-Like Receptors Cascades](#)

## Application Details

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Application Notes: Each Investigator should determine their own optimal working dilution for specific applications.

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Buffer: Supplied as a lyophilized powder.

Handling Advice: Avoid repeated freeze/thaw cycles.

## Handling

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Storage: 4 °C/-20 °C

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Storage Comment: Store at 4 °C until reconstitution. Following reconstitution aliquot and freeze at -20 °C for long term storage.