

Product Information

MemDX™ Membrane Protein Human TLR3 (Toll like receptor 3) Full Length

Cat. No.: **MPC1465K**

This product is for research use only and is not intended for diagnostic use.

This product is a 103.8 kDa Human TLR3 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

TLR3

Protein Length

Full length

Protein Class

Receptor; Immunity

Molecular Weight

103.8 kDa

TMD

1

Sequence

MRQTLPCIYFWGGLLPFGMLCASSTTKCTVSHEVADCSHLKLTQVPDDL
TNITVLNLTHNQLRRLPAANFTRYSQLTSLDVGFNTISKLEPELCQKLPM
LKVLNLQHNELSQLSDKTFAFCTNLTELHLSNSIQIKNNPFVKQKNLI
TDLSHNGLSSTKLGTQVQLENLQELLSNNKIQAALKSEELDIFANSSLK
KLELSSNQIKEFSPGCFHAIGRLFGLFLNNVQLGPSLTEKLCLELANTSI
RNLSLSNSQLSTTSNTTFLGLKWTNLTMLDLSYNNLN NVVGND SFAWLPQL
EYFFLEYNNIQHLFSHSLHGLFNRYLNLKRSFTKQSISLASLPKIDDFS
FQWLKCLEHLN MEDNDIPGIKSNMFTGLINLKYLSLSNSFTSLRTLNET
FVSLAHSPLHILNLTKNKISKIESDAFSWLGHLEVLDLGLNEIGQELTGQ
EWRGLENIFEIYLSYNKYQLTRNSFALVPSLQRLMLRRVALKNVDSSPS
PFQPLRNLTILDLSNNNIANINDDMLEGLEKLEILDQHNNLARLWKHAN
PGGPYFLKGLSHLHILNLESNGFDEIPVEVFKDLFELKIIDLGLNNLNT
LPASVFNNQVSLKSLNLQKNLITSVEKKVFGPAFRNLTELD MRFNPFDC
TESIAWVFNWINETHNIPELSSHLYCNTPPHYHGFPVRLFDTS SCKDSA
PFELFFMINTSILLIFIVLLIHFEGWRI SFYWNVSVHRVLGFKEIDRQ
TEQFEYAAAYIIHAYKDKDWVWEHFSSMEKEDQSLKFCLEERDFEAGVFEL
EAI VNSIKRSRKIIFVITHLLKDP LCKRFKVHHAVQQAIEQNLD SIILV
FLEEIPDYKLNHALCLRRGMFKSHCILNWPVQKERIGAFRHKLQVALGSK
NSVH

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

TLR3

Full Name

Toll like receptor 3

Introduction

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. The various TLRs exhibit different patterns of expression. This receptor is most abundantly expressed in placenta and pancreas, and is restricted to the dendritic subpopulation of the leukocytes. It recognizes dsRNA associated with viral infection, and induces the activation of NF-kappaB and the production of type I interferons. It may thus play a role in host defense against viruses. Use of alternative polyadenylation sites to generate different length transcripts has been noted for this gene.

Alternative Names

TLR3; CD283; IIAE2; Toll like receptor 3

Gene ID

[7098](#)

UniProt ID

[Q15455](#)