

Product Information

MemDX™ Membrane Protein Human TLR9 (Toll like receptor 9) Full Length

Cat. No.: **MPC1345K**

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

This product is a 115.8 kDa Human TLR9 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

TLR9

Protein Length

Full length

Protein Class

Receptor; Immunity

Molecular Weight

115.8 kDa

TMD

1

Sequence

MGFCRSALHPLSLLVQAIMLAMTLALGTLPAFLPCELQPHGLVNCNWLFL
KSVPHFSMAAPRGVNTSLSLSSNRIHHLHDSDFAHLP SLRHLNLKWNCPP
VGLSPMHFPC HMTIEPSTFLAVPTLEELNLSYNNIMTVPALPKSLISLSL
SHTNILMLDSASLAGLHALRFLFMDGNCYYKNPCRQALEVAPGALLGLGN
LTHLSLKYNNTLVVPRNLPSSLEYLLL SYN RIVKLAPEDLANLTALRVLD
VGGNCRRC DHAPNPCMECPRHFPQLHPD TFSHLSRLEGLVLKDSSLSWLN
ASWFRGLGNLRVLDLSENF LYK CITKTKAFQGLTQLRKLNLSFN YQKRVS
FAHLSLAPSGSLVALKELDMHGIFFRSLDETTLRPLARLPMLQTLRLQM
NFINQAQLGIFRAFPGLRYVDLSDNRISGASELTATMGEADGGEKVWLQP
GDLAPAPVDT PSED FRPNCSTLNFTLDLSRNNLVTVP EMFAQLSHLQC
LRLSHNCISQAVNGSQFLPTGLQVLDLSHNKLDLYHEHSFTELPRLEAL
DLSYNSQPF GMQGVGHNF SFVAHLRTLRLHLSLAHNNIHSQVSQQLCSTSL
RALDFSGNALGHMWAEGDLYLHFFQGLSGLIWL DLSQNR LH TLLPQTLRN
LPKSLQVLR LRDNYLAFFKWWSLHFLPKLEVLDLAGNQLKALTNGSLPAG
TRLRRLDVSCNSISFVAPGFFSKAKELRELNLSANALKTV D HSWFGPLAS
ALQILDVSANPLHCACGA AFMDFLLEVQAAVPGLPSRVKCGSPGQLQGLS
IFAQDLRLCLDEALSWDCFALSLLAVALGLGV PMLHHLCGWDLWYCFHLC
LAWLPWRGRQSGRDEDALPYDAFVVF DKTQSAVADWVYNELRGQLEECRG
RWALRLCLEERDWLP GKTLFENLWASVYGSRKTLFVLAHTDRVSGLLRAS
FLLAQQRLL ED RKDVVVLVILSPDGRRSRYVRLRQRLCRQSVLLWPHQPS
GQRSFWAQLGMALTRDNHHFYNRNFCQGPTAE

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

TLR9

Full Name

Toll like receptor 9

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. 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.

Alternative Names

TLR9; CD289; toll-like receptor 9; UNQ5798/PRO19605; Toll like receptor 9

Gene ID

[54106](#)

UniProt ID

[Q9NR96](#)