

Recombinant Full Length Human TLR9 Protein

Cat. No. TLR9-573HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human TLR9 was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	1032 amino acids
Description	<p>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 gene is preferentially expressed in immune cell rich tissues, such as spleen, lymph node, bone marrow and peripheral blood leukocytes. 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.</p>
Form	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
Molecular Mass	113.52 kDa
AA Sequence	MGFCRSALHP LSLLVQAIML AMTLALGTLP AFLPCELQPH GLVNCNWLFL

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KSVPHFSMAA PRGNVTLSL SSNRIHHLHD SDFAHLP SLR HLNLKWN CPP
VGLSPMHFPC HMTIEPSTFL AVPTLEELNL SYN NIMTVPA LPKSLISL S L
SHTNILMLDS ASLAGLHALR FLFMDGNCY Y KNPCRQALEV APGALLGLGN
LTHLSLKYNN LTVVPRNLPS SLE YLLLSYN RIVKLAPEDL ANLTALRVLD
VGGNCRRC DH APNPCMECPR HFPQLHPDTF SHLSRLEGLV LKDSSLSWLN
ASWFRGLGNL RVDLSENFL YKCITKTAF QGLTQRKLN LSFNYQKRVS
FAHLSLAPSF GSLVALKELD MHGIFFRSLD ETTLRPLARL PMLQTLRLQM
NFINQAQLGI FRAFPGLRYV DLSDNRISGA SELTATMGEA DGGEK VWLQP
GDLAPAPVDT PSEDFRPNC STLNFTLDLS RNNLVTVQPE MFAQLSHLQC
LRLSHNCISQ AVNGSQFLPL TGLQVLDL SH NKLDLYHEHS FTELPRLEAL
DLSYNSQPFG MQGVGHNF SF VAHLRTLRLHL SLAHNNIHSQ VSQQLCSTSL
RALDFSGNAL GHMWAEGDLY LHFFQGLSGL IWL DLSQNRL HTLLPQTLRN
LPKSLQVLRL RDN YLAFFKW WSLHFLPKLE VLDLAGNQLK ALTNGSLPAG
TRLRRLDVSC NSISFVAPGF FSKAKELREL NLSANALKTV DHSWFGPLAS
ALQILDVSAN PLHCACGA AF MDFLLEVQAA VPGLPSRVKC GSPGQLQGLS
IFAQDLRLCL DEALSWDCFA LSLLAVALGL GVPMLHHL CG WDLWYCFHLC
LAWLPWRGRQ SGRDEDALPY DAFVVF DKTQ SAVADWVYNE LRGQLEECRG
RWALRLCLEE RDWLP GKTLF ENLWASVYGS RKTFLVLAHT DRVSGLLRAS
FLLAQQRLLE DRKD VVVLVI LSPDGRRSRY VRLRQRLCRQ SVLLWPHQPS
GQRSFWAQLG MALTRDNH HF YNRNFCQGPT AE

Applications

Antibody Production; Functional Study: Recommended usage only, not validated yet; Compound Screening: Recommended usage only, not validated yet.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION**Gene Name**

TLR9 toll-like receptor 9 [Homo sapiens]

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Official Symbol	TLR9
Synonyms	TLR9; toll-like receptor 9; CD289
Gene ID	54106
mRNA Refseq	NM_017442
Protein Refseq	NP_059138
MIM	605474
UniProt ID	Q9NR96

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