

Recombinant Human TLR2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TLR2-3358H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TLR2 MS Standard C13 and N15-labeled recombinant protein (NP_003255) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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. This protein is a cell-surface protein that can form heterodimers with other TLR family members to recognize conserved molecules derived from microorganisms known as pathogen-associated molecular patterns (PAMPs). Activation of TLRs by PAMPs leads to an up-regulation of signaling pathways to modulate the host's inflammatory response. This gene is also thought to promote apoptosis in response to bacterial lipoproteins. This gene has been implicated in the pathogenesis of several autoimmune diseases. Alternative splicing results in multiple transcript variants.
Molecular Mass	89.8 kDa
AA Sequence	MPHTLWMVWVLGVIIISLKEESSNQASLSCDRNGICKGSSGSLNSIPSGLTEAVKSL DLSNNRITYISNSDLQRCVNLQALVLTSGINTIEEDSFSSLGSLLEHLDLSYNYLSNLS

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SSWFKPLSSLTFLNLLGNPYKTLGETSLFSLTKLQILRVGNMDTFTKIQRKDFAGLT
 FLEELEIDASDLQSYEPKSLKSIQNVSHLILHMKQHILLLEIFVDVTSSVECLELRDIDL
 DTFHFSELSTGETNSLIKKFTFRNVKITDESLFQVMKLLNQISGLLELEFDDCTLNGVG
 NFRASDNDNRVIDPGKVETLTIRRLHIPRFYLFYDLSTLYSLTERVKRITVENSKVFLVP
 CLLSQHLKSLEYLDLSENLMVEEYLKNSACEDAWPSLQTLILRQNHLASLEKTGETLL
 TLKNLTNIDISKNSFHSMPETCQWPEKMKYLNLSSTRIHSVTGCIPKLEILDVSNNNL
 NLFSLNLPQLKELYISRNKMLTLPDASLLPMLLVLKISRNAITTFSEQLDSFHTLKTLE
 AGGNNFICSCEFLSFTQEQQALAKVLIDWPANYLCDSPSHVRGQQVQDVRLSVSEC
 HRTALVSGMCCALFLLILLTGVLCHRFHGLWYMKMMWAWLQAKRKPRKAPSRNICY
 DAFVSYSERDAYWVENLMVQELFNPPFKLCLHKRDFIPGKWIIDNIIDSIEKSHKTV
 FVLSENFVKSEWCKYELDFSHFRLFDENNDAAAILLEPIEKKAIPQRFCCLRKIMNTK
 TYLEWPMDEAQREGFWVNLRAAIKSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	TLR2 toll-like receptor 2 [Homo sapiens (human)]
Official Symbol	TLR2
Synonyms	TLR2; toll-like receptor 2; CD282; TIL4; toll/interleukin 1 receptor-like 4;

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toll/interleukin-1 receptor-like protein 4;

Gene ID 7097

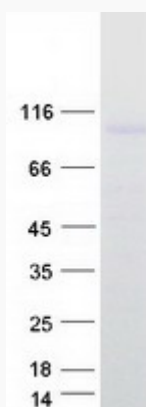
mRNA Refseq NM_003264

Protein Refseq NP_003255

MIM 603028

UniProt ID O60603

SDS-PAGE



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