

Recombinant Full Length Human TLR2 Protein, C-Flag-tagged

Cat. No. TLR2-1095HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TLR2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	89.7 kDa
AA Sequence	MPHTLWMVWVLGVIISLSKEESSNQASLSCDRNGICKGSSGSLNSIPSGLTEAVKSL DLSNNRITYISNS DLQRCVNLQALVLTSGINTIEEDSFSSLGSLEHLDLSYNYLSNLS

 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

SSWFKPLSSLTFLNLLGNPYKTLG ETSLFSHLTKLQILRVGNMDTFTKIQRKDFAGLT
 FLEELEIDASDLQSYEPKSLKSIQNVSHLILHMKQH ILLLEIFVDVTSSVECLELRDSDL
 DTFHFSELSTGETNSLIKKFTFRNVKITDESLFQVMKLLNQISGLL ELEFDDCTLNGV
 GNFRASDNRVIDPGKVETLTIRRLHIPRFYLYDLSTLYSLTERVKRITVENSKVFL V
 PCLLSQHLSLEYLDLSENLMVEEYLKNSACEDAWPSLQTLILRQNHSLASLEKTGETL
 LTLKLNLTNIDI SKNSFHSMPETCQWPEKMKYLNLSSTRIHSVTGCIPKTEILDVSNN
 NLNLFSLNLPQLKELYISRNKLM TLPDASLLPMLLVLKISRNAITTFSSKEQLDSFHTLK
 TLEAGGNFICSCFELSFTQEQQALAKVLIDWPA NYLCDSPSHVRGQQVQDVRLSV
 SECHRTALVSGMCCALFLILLTGVLCHRFGHLWYMKMMWAWLQAKRK PRKAPSR
 NICYDAFVSYSERDAYWVENLMVQELENFNPPFKLCLHKRDFIPGKWIIDNIIDSIEKS
 HKTV FVLSSENVKSEWCKYELDFSHFRLFDENNDAAILILLEPIEKKAIPQRFCKLRKI
 MNTKTYLEWPMDEAQ
 REGFWVNLRAAIKSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining.

Stability Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Storage Store at -80 centigrade.

Concentration >50 ug/mL as determined by microplate BCA method.

Preparation Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Protein Families Druggable Genome, Transmembrane

Protein Pathways Toll-like receptor signaling pathway

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Full Length Full L.

GENE INFORMATION

Gene Name TLR2 toll like receptor 2 [Homo sapiens (human)]

Official Symbol TLR2

Synonyms TIL4; CD282

Gene ID 7097

mRNA Refseq NM_003264.5

Protein Refseq NP_003255.2

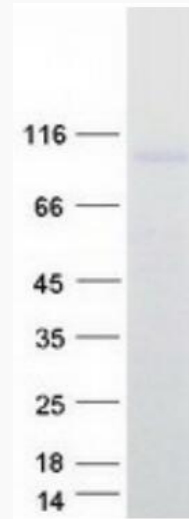
MIM 603028

UniProt ID O60603

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Coomassie blue staining of purified TLR2 protein.

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