

Product datasheet for TP307597M

TLR2 (NM_003264) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human toll-like receptor 2 (TLR2), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC207597 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MPHTLWMVWVLGVIISLSKEESSNQASLSCDRNGICKGSSGSLNSIPSGLTEAVKSLDLSNNRITYISNS
DLQRCVNLQALVLTNSGINTIEEDSFSSLSLEHLDSLNYLSNLSSSWFKPLSSLTFLNLLGNPYKTLG
ETSLFSLTKLQILRVGNMDTFTKIQRKDFAGLTFLEELEIDASDLQSYEPKSLKSIQNVSHLILHMKQH
ILLLEIFVDVTSSVECLELRDLDLTFHFSELSTGETNSLIKKFTFRNVKITDESLFQVMKLLNQISGLL
ELEFDDCTLNGVGNFRASDNDRVIDPGKVETLTIRRLHIPRFYLFYDLSTLYSLTERVKRITVENSKVFL
VPCLLSQHLKSLEYLDLSENLMVEEYLKNSACEDAWPSLQTLILRQNHASLEKTGETLLTLKNLTNIDI
SKNSFHSMPETCQWPEKMKYLNLSSTRIHSVTGCIPKTEILDVSNLNLNLFSLNLPQLKELYISRNKLM
TLPDASLLPMLLVLKISRNAITTSKEQLDSFHTLTKLEAGGNFICSCFLSFTQEQQALAKVLIDWPA
NYLCDSPSHVRGQQVQDVRLSVSECHRTALVSGMCCALFLLILLTGVLCHRFGHLWYMKMMWAWLQAKRK
PRKAPSRNICYDAFVSYSERDAYWVENLMVQELEFNPPFKLCLHKRDFIPGKWIIDNIIDSIEKSHKTV
FVLSSENFVKSEWCKYELDFSHFRLFDENNDAAAILILLEPIEKKAIPQRFCKLRKIMNTKTYLEWPMDEAQ
REGFWVNLRAAIKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

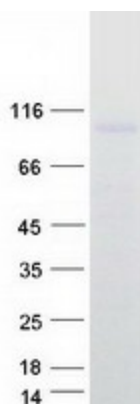
Tag:	C-Myc/DDK
Predicted MW:	89.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_003255
Locus ID:	7097
UniProt ID:	O60603 , A0A0S2Z4S4
RefSeq Size:	3417
Cytogenetics:	4q31.3
RefSeq ORF:	2352
Synonyms:	CD282; TIL4
Summary:	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. [provided by RefSeq, Jan 2016]
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Toll-like receptor signaling pathway

Product images:



Coomassie blue staining of purified TLR2 protein (Cat# [TP307597]). The protein was produced from HEK293T cells transfected with TLR2 cDNA clone (Cat# [RC207597]) using MegaTran 2.0 (Cat# [TT210002]).