

Product datasheet for TP315293M

TLR5 (NM_003268) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens toll-like receptor 5 (TLR5), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215293 representing NM_003268 Red=Cloning site Green=Tags(s)

MGDHLDLLLGVLMAGPVFGIPSCSFDGRIAFYRFCNLTQVPQVLNNTTERLLLSFNRYRTVTASSFPFLE
QLLLELGSQYTPLTIDKEAFRNLPNLRILDGSSKIYFLHPDAFQGLFHLFELRLYFCGLSDAVLKDGY
FRNLKALTRDLSKNQIRSLYLHPSFGKLSLKSIDFSSNQIFLVCEHELEPLQGKLSFFSLAANSLYS
RVSVDWGWKCMNPFRRNMVLEILDVSGNGWTVDTGNFNSAISKSAFSLILAHHMGAGFGFHNKIDPDQN
TFAGLARSSVRHLDLSHGFFVSLNSRVFETLKDCLKVLNLAYNKINKIADEAFYGLDNLQVLNLSYNLLGE
LYSSNFYGLPKVAYIDLQKNHIAIQDQTFKFEKQLTDLDRDNALTTIHFIPSIPDIFLSGNKLVTLPK
INLTANLIHLSERLENLDILYFLLRPHLQILILNQNRFSSCSGDQTPSENPSLEQLFLGENMLQLAWE
TELCWDVFEGLSHLQVLYLNHNLYNSLPPGVFSHTALRGLSLNSNRLTVLSHNDLPANLEILDISRNL
LAPNPDVVFVSLVLDITHNKFICECELSTFINWLNHTNVTIAGPPADIYCVYPDSLGSVLSLSTEGCD
EEEVLKSLKFSLFIVCTVTLTLFLMTILTVTKFRGFICYKTAQRLVFKDHPQGTEPDMYKYDAYLCFS
SKDFTWVQNALLKHLDTQYSDQNRFNLCFEERDFVPGENRIANIQDAIWNRSKIVCLVSRHFLRDGWCLE
AFSYAQGRCLSDLNSALIMVVVGSLSQYQLMKHQSRGFVQKQYLRWPEDLQDVGWFLHKLSSQILKKE
KEKKKDNNIPLQTVATIS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

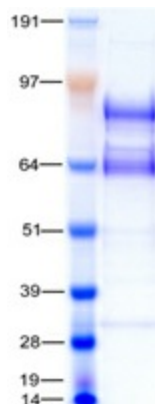
Tag:	C-Myc/DDK
Predicted MW:	95.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
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_003259
Locus ID:	7100
UniProt ID:	O60602 , A0A2R8Y7Z4
RefSeq Size:	3369
Cytogenetics:	1q41
RefSeq ORF:	2574
Synonyms:	MELIOS; SLE1; SLEB1; TIL3
Summary:	This gene encodes a member of the toll-like receptor (TLR) family, which plays a fundamental role in pathogen recognition and activation of innate immune responses. These receptors recognize distinct pathogen-associated molecular patterns that are expressed on infectious agents. The protein encoded by this gene recognizes bacterial flagellin, the principal component of bacterial flagella and a virulence factor. The activation of this receptor mobilizes the nuclear factor NF-kappaB, which in turn activates a host of inflammatory-related target genes. Mutations in this gene have been associated with both resistance and susceptibility to systemic lupus erythematosus, and susceptibility to Legionnaire disease.[provided by RefSeq, Dec 2009]
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Pathogenic Escherichia coli infection, Toll-like receptor signaling pathway

Product images:



Coomassie blue staining of purified TLR5 protein (Cat# [TP315293]). The protein was produced from HEK293T cells transfected with TLR5 cDNA clone (Cat# [RC215293]) using MegaTran 2.0 (Cat# [TT210002]).