

Product datasheet for TP510887

Tlr4 (NM_021297) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse toll-like receptor 4 (Tlr4), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210887 representing NM_021297 Red=Cloning site Green=Tags(s)

MMPPWLLARTLIMALFFSCLTPGSLNPCIEVVPNITYQCMDQKLSKVPDDIPSSTKNIDLSFNPLKILKS
 YSFSNFSELQWLDLSRCEIETIEDKAHWGLHHLNLILTGNPIQSFSPGSGSLTSLENLVAVETKLASL
 ESFPIGQLITLKKLNVAHNFHSCKLPAFYSNLTNLVHVDLSYNYIQTITVNDLQFLRENQVNLSDIS
 LNPIDFIQDQAFQGIKLHELTLRGNFNSSNIMKTCLQNLAGLHVHRLILGEFKDERNLEIFEPSIMEGLC
 DVTIDEFRLTHTNDFSDDIVKFHCLANVSAMSLAGVSIKYLEDPKHFKWQSLSIIRCQLKQFPTLDLPF
 LKSLTMTMNGKSISFKKVALPSLSYLDLSRNALSFSGCCSYSDLGTNSLRHLDLSFNNGAIIIMSANFMGLE
 ELQHLDLFQHSTLKRVTESAFLSLEKLLYLDISYNTNKIDFDGIFLGLTSLNTLKMAGNSFKDNTLSNVF
 ANTTNLTFLDLSKCQLEQISWGVFDTLHRLQLLNMSHNNLLFLDSSHYNQLYSLSTLDCSFNRIETSKGI
 LQHFPKSLAFFNLTNNSVACICEHQKFLQWVKDQKQFLVNVEQMTCATPVEMNTSLVDFNNSTCYMYK
 T
 IISVSIVSIVVSTVAFLIYHFYFHLILIAGCKKYSRGESIIDAFVIYSSQNEDWVRNELVKNLEEGVPR
 FHLCLHYRDFIPGVAIAANIIQEGFHKSRKVVVSRHFIIQSRWCIFEYEAQTWQFLSSRSGIIFIVLE
 KVEKSLLRQQVELYRLLSRNTYLEWEDNPLGRHIFWRRLLKKALLDGKASNPEQTAEETATATWT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	96 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
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 after receiving vials.
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:	<u>NP_067272</u>
Locus ID:	21898
UniProt ID:	<u>Q9QUK6</u>
RefSeq Size:	3847
Cytogenetics:	4 34.66 cM
RefSeq ORF:	2505
Synonyms:	Lps; Ly87; Ran/M1; Ras; Rasl2-8
Summary:	<p>This gene belongs to the evolutionarily-conserved Toll-like receptor family, whose members are type-1 transmembrane proteins that are involved in innate immunity. Toll-like receptors are characterized by an extracellular leucine-rich repeat domain that functions in ligand recognition and an intracellular toll/interleukin-1 receptor-like domain that is crucial for signal transduction. The receptor encoded by this gene mediates the innate immune response to bacterial lipopolysaccharide, a major component of the outer membrane of Gram-negative bacteria, through synthesis of pro-inflammatory cytokines and chemokines. In addition, this protein can recognize other pathogens from Gram-negative and Gram-positive bacteria as well as viral components. Mice deficient in this gene display a number of immune response-related phenotypes including hyporesponsiveness to bacterial lipopolysaccharide and increased levels of respiratory syncytial virus compared to controls. [provided by RefSeq, Sep 2015]</p>