

## 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 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MMPPWLLARTLIMALFFSCLTPGSLNPCIEVVPNITYQCMDQKLSKVPDDIPSSTKNIDLSFNPLKILKS  
YSFSNFSELQWLDLSRCEIETIEDKAWHGLHHLSNLILTGNPIQSFSPGFSGLTLENLVAVETKLASL  
ESFPIGQLITLKKLNVAHNFIHSCKLPAYFSNLTLNVHVDLSYNYIQTITVNDLQFLRENQVNLSDIS  
LNPIDFIQDQAFQGIKLHELTLRGNFNSSNIMKTCLQNLAGLHVHRLILGEFKDERNLEIFEPSIMEGLC  
DVTIDEFRLTHTNDFSDDIVKFHCLANVSAMSLAGVSIKYLEVDPKHFKWQSLSIIRCQLKQFPTLDLPF  
LKSLTLMNKGSISFKKVALPSLSYLDLSRNALSFSGCCSYSDLGTNSLRHLDLSFNAGAIIMSANFMGLE  
ELQHLDLDFQHSTLKRVTESAFLSLEKLLYLDISYTNKIDFDGIFLGLTSLNLTLMAGNSFKDNTLSNVF  
ANTTNLTFLDLSKCQLEQISWGVFDTLHRLQLLNMSHNNLLFLDSSHYNQLYSLSTLDCSFNRIETSKGI  
LQHFPKSLAFFNLNNSVACICEHQKFLQVVKDQKQFLVNVEQMTCATPVEMNTSLVDFNNTCYMYKT  
IISVSVISVIVVSTVAFLIYHFYFHLILIAGCKKYSRGESIYDAFVIYSSQNEWDWRNELVKNLEEGVPR  
FHLCLHYRDFIPGVAIAANIIQEGFHKSARKVIVVSRHFIQSRWCIFEYEAQWQFLSSRSIGIIFVLE  
KVEKSLLRQQVELYRLLSRNTYLEWEDNPLGRHIFWRRLKALLDGKASNPEQTAEEEEQETATWT

**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.
Storage:	Store at -80°C after receiving vials.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_067272</a>
<b>Locus ID:</b>	21898
<b>UniProt ID:</b>	<a href="#">Q9QUK6</a> , <a href="#">L0CL36</a>
<b>RefSeq Size:</b>	3847
<b>Cytogenetics:</b>	4 34.66 cM
<b>RefSeq ORF:</b>	2505
<b>Synonyms:</b>	Lps; Ly87; Ran/M1; Ras; Rasl2-8
<b>Summary:</b>	<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>