

## Product datasheet for TP525590

### Tlr5 (NM\_016928) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse toll-like receptor 5 (Tlr5), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR225590 representing NM_016928 Red=Cloning site Green=Tags(s)

MDAEFPHAPHFSRIMACQLDLLIGVIFMASPVLVISPCSSDGRIAFFRGCNLTQIPWILNTTTERLLLSF  
 NYISMVVATSFPLLERLQLELGTQYANLTIGPGAFRNLPNLRILDGQSQIEVLNRDAFQGLPHLLELR  
 LFSCGLSSAVLSDGYFRNLYSLARLDLSGNQIHSRLRHSSFRELNLSVDNFAFNQIFTICEDELEPLQG  
 KTLFFFGLKLTKLFSRVSVGWETCRNPFRGVRLETLDLSENGWTVDITRNFNSNIIQGSQISSLILKHIM  
 GPGFGFNIRDPDQSTFASLARSSVLQLDLSHGFI FSLNPRLFGTLKDLKMLNLA FNKINKIGENAFYGL  
 DSLQVLNLSYNLLGELYNSNFYGLPRVAYVDLQRNHIGIIQDQTFRLLKTLQTLDLRDNALKAIGFIPSI  
 QMVLLGGNKLVLPHIHFTANFLELSENRENLSLDYFLLRVPQLQFILNQNRLSSCKAAHTPSENPSL  
 EQLFLTENMLQLAWETGLCWDVFQGLSRLQILYLSNNYLNFLPPGIFNDLVALRMLSLSANKLTVLSPGS  
 LPANLEILDISRNLQFSPDPALFSSLRVLDITHNEFVCNCELSTFISWLNQTNVTLFGSPADVYCMYPNS  
 LLGGSLYNISTEDCDEEEAMRSLKFSLFILCTVTLTFLVITLVIKFRGICFLCYKTIQKLVFKDKVWS  
 LEPGAYRYDAYFCFSKDFEWAQNALLKHLDAHYSSRNRLRCLFEERDFIPGENHISNIQAAVWGSRKTY  
 CLVSRHFLKDGWCLEAFRYAQSRSLSDLKSILIVVVVGSLSQYQLMRHETIRGFLQKQQLRWPEDLQDV  
 GWFLDKLSGCILKEEKGKKRSSSIQLRTIATIS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	99.7 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
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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<b>Storage:</b>	Store at -80°C after receiving vials.
<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_058624</a>
<b>Locus ID:</b>	53791
<b>UniProt ID:</b>	<a href="#">Q9JLF7</a> , <a href="#">E9QL10</a> , <a href="#">Q8CB40</a>
<b>RefSeq Size:</b>	3211
<b>Cytogenetics:</b>	1 86.12 cM
<b>RefSeq ORF:</b>	2619
<b>Summary:</b>	Pattern recognition receptor (PRR) located on the cell surface that participates in the activation of innate immunity and inflammatory response. Recognizes small molecular motifs named pathogen-associated molecular pattern (PAMPs) expressed by pathogens and microbe-associated molecular patterns (MAMPs) usually expressed by resident microbiota. Upon ligand binding such as bacterial flagellins, recruits intracellular adapter proteins MYD88 and TRIF leading to NF-kappa-B activation, cytokine secretion and induction of the inflammatory response. Plays thereby an important role in the relationship between the intestinal epithelium and enteric microbes and contributes to the gut microbiota composition throughout life.[UniProtKB/Swiss-Prot Function]