

Specifications:

Gene:	mTLR12
Accession:	NP_991392
Insert size:	2734bp
Concentration:	10µg at 0.2µg/µL

mTLR12 cDNA Plasmid

Tlr12 toll-like receptor 12
[*Mus musculus* (house mouse)]

Also known as: Tlr11;
Gm1365

Summary:

TLR12 is a single pass, type I membrane Toll-like Receptor. It acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. TLR12 is expressed in both CNS and immune cell types and is critical for the innate immune response to *T. gondii*. It may promote host resistance by triggering plasmacytoid dendritic cells and NK cell function.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



