

Active Recombinant Mouse Tlr5 protein, Fc-tagged

Cat. No. Tlr5-392M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Tlr5(Ile21-Phe641) fused with Fc tag at C-terminal was expressed in CHO cells.
Species	Mouse
Source	CHO
ProteinLength	21-641 a.a.
Predicted N Terminal	Ile21
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
Bio-activity	Measured by its ability to inhibit Flagellin-induced IL-8 secretion in HT-29 human colon adenocarcinoma cells. The ED50 for this effect is typically 4-24 ng/ML
Molecular Mass	Predicted Molecular Mass: 97.3 (monomer) kDa;SDS-PAGE: 100-125 kDa, reducing conditions.
Endotoxin	<0.01 EU per 1 µg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles.12 months from date of receipt, -20 to -70 centigrade as supplied.1 month, 2 to 8 centigrade under sterile conditions after

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reconstitution.3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

Reconstitution Reconstitute at 100 µg/mL in PBS.

GENE INFORMATION

Gene Name [Tlr5 toll-like receptor 5 \[Mus musculus \]](#)

Official Symbol [Tlr5](#)

Synonyms TLR5; toll-like receptor 5;

Gene ID [53791](#)

mRNA Refseq [NM_016928](#)

Protein Refseq [NP_058624](#)

MIM

UniProt ID [Q9JLF7](#)

Chromosome Location 1 H5; 1 86.12 Cm

Pathway Legionellosis, organism-specific biosystem; Legionellosis, conserved biosystem; Salmonella infection, organism-specific biosystem; Salmonella infection, conserved biosystem; Toll-like receptor signaling pathway, organism-specific biosystem; Toll-like receptor signaling pathway, conserved biosystem; mRNA processing, organism-specific biosystem;

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Function

interleukin-1 receptor binding; receptor activity;

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