

Active Recombinant Human TLR1, Fc-tagged, Biotinylated

Cat. No. TLR1-705H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human TLR1-Fc fusion protein is expressed as a 778 amino acid protein consisting of Ser25 - Glu574 region of TLR1 (UniProt accession #Q15399) and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions.
Species	Human
Source	Human Cells
ProteinLength	25-574 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
Bio-activity	Binds to the triacylated peptide biotinylated Pam3CysSerLys4 (PAM3CSK4).
Molecular Mass	Calculated molecular mass (kDa): 88.1; Estimated by SDS-PAGE under reducing condition (kDa): 90-100
Endotoxin	<0.1 eu per 1 μg of purified recombinant protein determined by the lal>
Purity	>90% judged by SDS-PAGE under reducing condition
Storage	The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before

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opening the vial. It is recommended to store small aliquots at the temperature below -20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

Conjugation Biotin

GENE INFORMATION

Gene Name [TLR1 toll-like receptor 1 \[Homo sapiens \]](#)

Official Symbol [TLR1](#)

Synonyms TLR1; toll-like receptor 1; CD281; KIAA0012; rsc786; toll/interleukin-1 receptor-like protein; TIL; TIL. LPRS5; MGC104956; MGC126311; MGC126312; DKFZp54710610; DKFZp56410682;

Gene ID [7096](#)

mRNA Refseq [NM_003263](#)

Protein Refseq [NP_003254](#)

MIM [601194](#)

UniProt ID [Q15399](#)

Chromosome Location 4p14

Pathway [Activated TLR4 signalling, organism-specific biosystem; Beta defensins, organism-](#)

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specific biosystem; Defensins, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem; MyD88:Mal cascade initiated on plasma membrane, organism-specific biosystem; Toll Like Receptor 2 (TLR2) Cascade, organism-specific biosystem;

Function

lipopeptide binding; protein heterodimerization activity; receptor activity; transmembrane signaling receptor activity;

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