

## Active Recombinant Human TLR4 Protein, His-tagged

Cat. No. TLR4-7275H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active Recombinant Human TLR4 Protein(Met1-Lys631) (O00206-1) was expressed in Insect Cells with a C-terminal polyhistidine tag.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>Form</b>	Lyophilized from sterile 20mM PB, 500mM NaCl, pH 6.0, 10% glycerol.
<b>Bio-activity</b>	1.Immobilized Recombinant Human TLR4 / CD284 Protein (His Tag) at 1 µg/mL (100 µl/well) on His Tag Antibody, Mouse MAb precoated (5 µg/mL, 100 µL/well) can bind Anti-TLR4 Antibody, the EC50 is 4-15 ng/mL. 2.Immobilized Anti-TLR4 Antibody at 2 µg/mL (100 µL/well) can bind Recombinant Human TLR4 / CD284 Protein (His Tag), the EC50 is 4-15 ng/mL.
<b>Molecular Mass</b>	The secreted recombinant human TLR4 consists of 619 amino acids and predicts a molecular mass of 70.5 KDa. The apparent molecular mass of the protein is approximately 68 Kda in SDS-PAGE under reducing conditions due to glycosylation.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	≥ 87 % as determined by SDS-PAGE.
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

**Gene Name** TLR4 toll-like receptor 4 [ Homo sapiens ]

**Official Symbol** TLR4

**Synonyms** TLR4; toll-like receptor 4; CD284; hToll; TLR 4; homolog of Drosophila toll; TOLL; TLR-4; ARMD10;

**Gene ID** 7099

**mRNA Refseq** NM\_003266

**Protein Refseq** NP\_003257

**UniProt ID** O00206

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