

Recombinant Goat TLR4 Protein, His-tagged

Cat. No. TLR4-421G **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Goat TLR4 Protein (Trp26-Leu253) with N-His tag was expressed in E. coli.
Species	Goat
Source	E.coli
ProteinLength	Trp26-Leu253
Description	Cooperates with LY96 and CD14 to mediate the innate immune response to bacterial lipopolysaccharide (LPS). Acts via MYD88, TIRAP and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. Also involved in LPS-independent inflammatory responses triggered by Ni(2+). These responses require non-conserved histidines and are, therefore, species-specific.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.6 kDa Accurate Molecular Mass: 32 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

TLR4 toll-like receptor 4 [*Capra hircus* (goat)]

Official Symbol

TLR4

Synonyms

TLR4; toll-like receptor 4; TLR 4; EC 3.2.2.6

Gene ID

100860955

mRNA Refseq

NM_001285574

Protein Refseq

NP_001272503

UniProt ID

E5FXB8

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