

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



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

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA