

TLR2 Protein, Rat (sf9, His)

Cat. No.:	HY-P73589
Synonyms:	CD282; TIL4; TLR2; Toll-like receptor 2
Species:	Rat
Source:	Sf9 insect cells
Accession:	Q6YGU2 (M1-Q587)
Gene ID:	310553
Molecular Weight:	Approximately 60 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of 20 mM Tris, 500 mM NaCl, pH 7.4, 10% Glycerol. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The TLR2 protein functions in cooperation with LY96 to initiate the innate immune response against bacterial lipoproteins and other microbial cell wall components. It also cooperates with TLR1 or TLR6 for the innate immune response to bacterial lipoproteins or lipopeptides. This process involves the activation of NF-kappa-B, cytokine secretion, and the induction of the inflammatory response through signaling pathways involving MYD88 and TRAF6.
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Caution: Product has not been fully validated for medical applications. For research use only.

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