

TLR3 Protein, Cynomolgus (681a.a, HEK293, His)

Cat. No.:	HY-P700835
Synonyms:	TLR3; CD283; IIAE2
Species:	Cynomolgus
Source:	HEK293
Accession:	A0A2K5WT39 (S31-E711)
Gene ID:	102138517
Molecular Weight:	95-115 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μ m filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant 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	<p>The TLR3 protein belongs to the Toll-like receptor family, a group of proteins involved in innate immune responses. TLR3 plays a crucial role in detecting viral double-stranded RNA, which is a common feature of many viruses. Upon recognition, TLR3 triggers a signaling cascade that leads to the production of pro-inflammatory cytokines and the activation of immune cells. This protein is primarily expressed in immune cells, such as dendritic cells and macrophages, but can also be found in other cell types. Activation of TLR3 is essential for antiviral defense and immune surveillance against viral infections. However, dysregulation of TLR3 signaling has been associated with various autoimmune and inflammatory diseases. Further research is needed to uncover the full extent of TLR3's role in immune responses and its potential as a therapeutic target.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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