

Datasheet for ABIN7275748

TLR3 Protein (AA 25-705) (His tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	TLR3
Protein Characteristics:	AA 25-705
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TLR3 protein is labelled with His tag.

Product Details

Purpose:	Mouse TLR3 Protein
Sequence:	Thr25-Leu705
Characteristics:	Recombinant Mouse TLR3 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Thr25-Leu705.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	TLR3
Alternative Name:	TLR3 (TLR3 Products)

Target Details

Background:	TLR3 is expressed in the central nervous system (CNS), where it is required to control HSV-1, which spreads from the epithelium to the CNS via cranial nerves. TLR3 is also expressed in epithelial and dendritic cells, which apparently use TLR3-independent pathways to prevent further dissemination of HSV-1 and to provide resistance to other pathogens in TLR3-deficient patients. Human TLR3 appears to be redundant in host defense to most microbes but is vital for natural immunity to HSV-1 in the CNS, which suggests that neurotropic viruses have contributed to the evolutionary maintenance of TLR3.
Molecular Weight:	78.6 kDa. Due to glycosylation, the protein migrates to 85-110 kDa based on Tris-Bis PAGE result.
UniProt:	Q99MB1
Pathways:	TLR Signaling , Activation of Innate immune Response , Hepatitis C , Toll-Like Receptors Cascades

Application Details

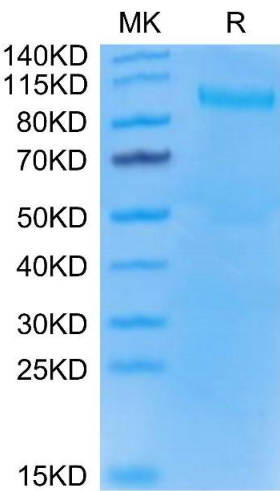
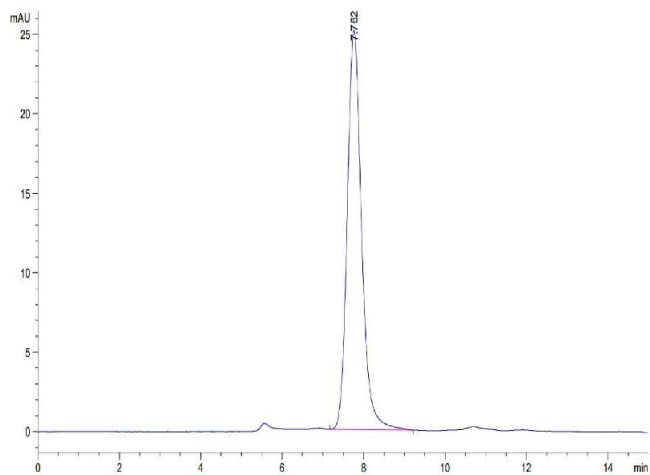
Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 8.0). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Mouse TLR3 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Mouse TLR3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .