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Datasheet for ABIN7275747

TLR3 Protein (AA 23-703) (His tag,Biotin)

1 Image

Overview

Quantity:	100 µg
Target:	TLR3
Protein Characteristics:	AA 23-703
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TLR3 protein is labelled with His tag,Biotin.

Product Details

Purpose:	Biotinylated Human TLR3 Protein (Primary Amine Labeling)
Sequence:	Ser23-Glu703
Characteristics:	Recombinant Biotinylated Human TLR3 Protein (Primary Amine Labeling) is expressed from HEK293 with His tag at the C-Terminus.It contains Ser23-Glu703.
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: 78.7 kDa. Due to glycosylation, the protein migrates to 100-120 kDa based on Tris-Bis PAGE result.

UniProt: [Q6PCD4](#)

Pathways: [TLR Signaling](#), [Activation of Innate immune Response](#), [Hepatitis C](#), [Toll-Like Receptors Cascades](#)

Application Details

Restrictions: For Research Use only

Handling

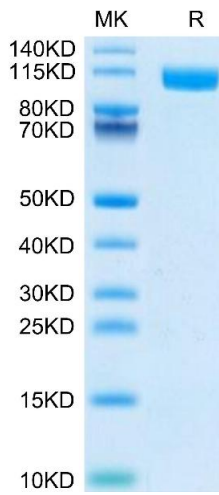
Format: Liquid

Buffer: Supplied as 0.22µm filtered solution in PBS (pH 7.4).

Storage: -80 °C

Storage Comment: Valid for 12 months from date of receipt when stored at -80°C., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months



SDS-PAGE

Image 1. Biotinylated Human TLR3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .