

Datasheet for ABIN7275745

TLR3 Protein (AA 31-711) (His tag)[Go to Product page](#)**2** Images

Overview

| | |
|-------------------------------|---|
| Quantity: | 100 µg |
| Target: | TLR3 |
| Protein Characteristics: | AA 31-711 |
| Origin: | Cynomolgus |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This TLR3 protein is labelled with His tag. |

Product Details

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| Purpose: | Cynomolgus TLR3 Protein |
| Sequence: | Ser31-Glu711 |
| Characteristics: | Recombinant Cynomolgus TLR3 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ser31-Glu711. |
| 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

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| Target: | TLR3 |
| Alternative Name: | TLR3 (TLR3 Products) |

Target Details

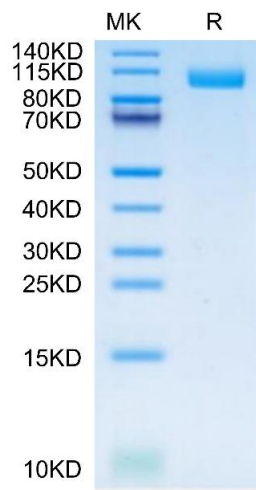
| | |
|-------------------|---|
| Background: | TLR3 is expressed in the central nervous system (CNS), where it is required to control HSV-1, which spreads from the epithelium to the CNS via cranial nerves. TLR3 is also expressed in epithelial and dendritic cells, which apparently use TLR3-independent 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: | 78.04 kDa. Due to glycosylation, the protein migrates to 95-115 kDa based on Tris-Bis PAGE result. |
| UniProt: | A0A2K5WT39 |
| Pathways: | TLR Signaling , Activation of Innate immune Response , Hepatitis C , Toll-Like Receptors Cascades |

Application Details

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|---------------|-----------------------|
| Restrictions: | For Research Use only |
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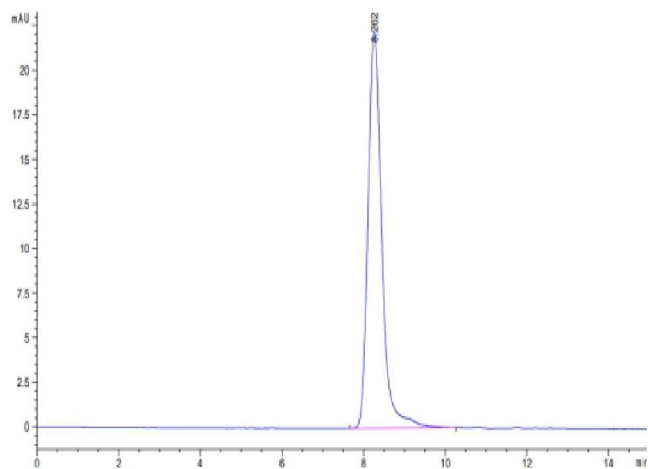
Handling

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| 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 7.4). 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 |



SDS-PAGE

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



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Cynomolgus TLR3 is greater than 95 % as determined by SEC-HPLC.