

Datasheet for ABIN7013030

TLR3 Protein (AA 23-703) (Fc Tag)[Go to Product page](#)

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 Fc Tag.

Product Details

Purpose:	Human TLR3 Protein, Fc Tag (MALS verified)
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	TLR3
Alternative Name:	TLR3 (TLR3 Products)
Background:	Toll-like receptor 3 (TLR3) is also known as CD283, which belongs to the Toll-like receptor family which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs (Toll-like receptors) control host immune response against pathogens through recognition of molecular patterns specific to microorganisms. TLR3 / CD283 contains 22 LRR (leucine-rich) repeats, 1 LRRCT domain, 1 LRRNT domain and 1 TIR domain. TLR3 is expressed

Target Details

at high level in placenta and pancreas and also detected in CD11c+ immature dendritic cells. CD283 / TLR3 is only expressed in dendritic cells. TLR3 is the TLR that is expressed most strongly in the brain, especially in astrocytes, glia, and neurons. CD283 / TLR-3 is the key component of innate and adaptive immunity. TLR3 / CD283 is a nucleotide-sensing TLR which is activated by double-stranded RNA, a sign of viral infection. TLR3 acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. Defects in TL-R3 are associated with herpes simplex encephalitis type 2 (HSE2).

Molecular Weight:	103.8 kDa
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
Buffer:	50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH 7.5
Storage:	-20 °C