

## PRODUCT INFORMATION SUMMARY

### Human TLR-3

Purified Factor	Product Number	HC67716B	25.0 ug
		HC67716A	5.0 ug

#### DESCRIPTION:

Human Toll-Like Receptor-3 ( TLR-3), also known as CD283, is a receptor defined as single-pass Type-I that binds and signals in the presence of microbial pathogens and double-stranded RNA viruses. Signals via this receptor initiates immune responses to viral and bacterial infections. TLR-3 is a member of structurally-related receptors with N-terminal leucine repeats. TLR-3 is expressed primarily in dendritic cells of the pancreas and placenta. Human TLR-3 extracellular glycoprotein has Molecular weight of 77.0 kDa, with 681 aa. residues.

**SOURCE:** HEK cells  
Purity > 98% by HPLC analysis  
Endotoxin < 0.1 ng per ug TLR-3  
Sterile-filtered, lyophilized, additive-free

#### BIOLOGICAL ACTIVITY:

ED<sub>50</sub> of 30.0 ug/mL , as determined by inhibition of IL-8 secretion induced by Poly I:C in TLR-3 expressing HEK293 cells with 100.0 ug/mL Poly I:C concentration .

#### HANDLING AND STORAGE:

Purified Human TLR-3 factor is provided lyophilized. Store lyophilized, at -20 ° C. Quick-Spin before reconstitution. Reconstitute with **sterile or distilled water** to a concentration of 100.0 ug/mL, then dilute in PBS or other buffered solutions. Store small aliquots, **with addition of carrier protein, ie., 0.1% BSA**, at -20° C for long-term storage -up to 3 months, at high concentration.

**Microcentrifuge before reconstitution.** Because ANTIGENIX factors are provided without carrier proteins like sucrose or BSA, the small quantities of lyophilized protein can adhere to the sides and cap of the vial during manufacture. **Before opening the vial**, we recommend microcentrifuging for 30 seconds to spin-down all material.

#### WARRANTY:

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

**RESEARCH USE ONLY -NOT for DRUG USE**