

## Active Recombinant Human TLR3 protein, His-tagged

Cat. No. TLR3-25H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TLR3(Lys27-Ser711) fused with His tag at C-terminal was expressed in NS0.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>ProteinLength</b>	Lys27-Ser711
<b>Predicted N Terminal</b>	Lys27
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in PBS.
<b>Bio-activity</b>	Measured by its ability to inhibit poly I:C induced IL-8 secretion by HEK293 human embryonic kidney cells transfected with TLR3. The ED50 for this effect is typically 5-10 µg/mL in the presence of 10 µg/mL of poly I:C.
<b>Molecular Mass</b>	Predicted Molecular Mass: 79.2 kDa;SDS-PAGE: 110-120 kDa, reducing conditions.
<b>Endotoxin</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Purity</b>	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.12 months from date of receipt, -20 to -70 centigrade as supplied.1 month, 2 to 8 centigrade under

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sterile conditions after reconstitution.3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

**Reconstitution** Reconstitute at 400 µg/mL in sterile PBS.

**Shipping** The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

## GENE INFORMATION

**Gene Name** [TLR3 toll-like receptor 3 \[ Homo sapiens \]](#)

**Official Symbol** [TLR3](#)

**Synonyms** TLR3; toll-like receptor 3; CD283; IIAE2;

**Gene ID** [7098](#)

**mRNA Refseq** [NM\\_003265](#)

**Protein Refseq** [NP\\_003256](#)

**MIM** [603029](#)

**UniProt ID** [O15455](#)

**Chromosome Location** 4q35

**Pathway** Cytosolic sensors of pathogen-associated DNA, organism-specific biosystem; DAI mediated induction of type I IFNs, organism-specific biosystem; Hepatitis C,

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organism-specific biosystem; Hepatitis C, conserved biosystem; Herpes simplex infection, organism-specific biosystem; Herpes simplex infection, conserved biosystem; IRAK2 mediated activation of TAK1 complex upon TLR7/8 or 9 stimulation, organism-specific biosystem;

**Function**

double-stranded RNA binding; double-stranded RNA binding; receptor activity; transmembrane signaling receptor activity;

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