

Active Recombinant Human TLR3 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human TLR3(Lys27-Ser711) fused with His tag at C-terminal was expressed in NS0.
Species	Human
Source	Mammalian Cells
ProteinLength	Lys27-Ser711
Predicted N Terminal	Lys27
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
Bio-activity	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.
Molecular Mass	Predicted Molecular Mass: 79.2 kDa;SDS-PAGE: 110-120 kDa, reducing conditions.
Endotoxin	<0.1 EU per 1 mug of the protein by the LAL method.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain
Storage	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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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,

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA