

# Active Recombinant Human TLR7 Full Length Transmembrane protein(Nanodisc)

**Cat. No.** TLR7-3953H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human TLR7 Full Length Transmembrane protein(Q9NYK1), was expressed in HEK293.                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                  |
| <b>Form</b>             | Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions.                                                                                          |
| <b>Bio-activity</b>     | Elisa plates were pre-coated with Flag Tag TLR7-Nanodisc (0.2µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with TLR7-Nanodisc is 4.389ng/ml. |
| <b>Molecular Mass</b>   | The human full length TLR7 protein has a MW of 120.9 kDa.                                                                                                                                                                                                                                                               |
| <b>Storage</b>          | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.                                                                     |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                                                                                                           |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

Full Length

Full L.

## GENE INFORMATION

**Gene Name** TLR7 toll-like receptor 7 [ Homo sapiens ]

**Official Symbol** TLR7

**Synonyms** TLR7; toll-like receptor 7;

**Gene ID** 51284

**mRNA Refseq** NM\_016562

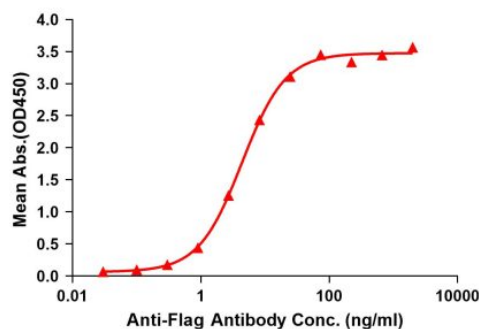
**Protein Refseq** NP\_057646

**MIM** 300365

**UniProt ID** Q9NYK1

**Activity**

ELISA assay to evaluate TLR7-Nanodisc  
0.2µg Human TLR7-Nanodisc per well



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