

## Recombinant Human TLR4 protein, His-tagged

Cat. No. TLR4-2262H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human TLR4 protein(Met 1-Lys631) (O00206-1) was expressed in Insect Cells, with a C-terminal polyhistidine tag.                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                     |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 1-631 aa                                                                                                                                                                                                                                  |
| <b>Form</b>             | Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% gly.                                                                                                                                                                          |
| <b>Molecular Mass</b>   | The secreted recombinant human TLR4 consists of 619 amino acids and predicts a molecular mass of 70.5 KDa. The apparent molecular mass of the protein is approximately 68 Kda in SDS-PAGE under reducing conditions due to glycosylation. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                                                                           |
| <b>Purity</b>           | > 87 % as determined by SDS-PAGE                                                                                                                                                                                                          |
| <b>Storage</b>          | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.                                                      |
| <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.                                                             |

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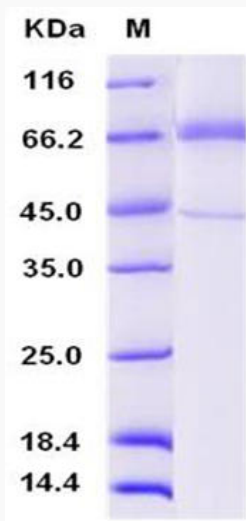
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## GENE INFORMATION

|                        |                                                                                                   |
|------------------------|---------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | TLR4 toll-like receptor 4 [ Homo sapiens ]                                                        |
| <b>Official Symbol</b> | TLR4                                                                                              |
| <b>Synonyms</b>        | TLR4; toll-like receptor 4; CD284; hToll; TLR 4; homolog of Drosophila toll; TOLL; TLR-4; ARMD10; |
| <b>Gene ID</b>         | 7099                                                                                              |
| <b>mRNA Refseq</b>     | NM_003266                                                                                         |
| <b>Protein Refseq</b>  | NP_003257                                                                                         |
| <b>UniProt ID</b>      | O00206                                                                                            |

## SDS-PAGE



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