



# Recombinant Human Toll-like receptor 2 (TLR2), partial

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|--------------------------|--|
| <b>Product Code</b>      | CSB-BP023601HU1  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | O60603   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Homo sapiens (Human)   |
| <b>Purity</b>            | ≥85% (SDS-PAGE)  |
| <b>Sequence</b>          | <p>KE ESSNQASLSC DRNGICKGSS GSLNSIPSGL TEAVKSLDLS NNRITYISNS<br/> DLQRCVNLQA LVLTSNGINT IEEDSFSSLG SLEHLDSL SYN YLSNLS SSWF<br/> KPLSSLTFLN LLGNPYKTLG ETSLSFHLTK LQILRVGNMD TFTKIQRKDF<br/> AGLTFLEELE IDASDLQSYE PKSLKSIQNV SHLILHMKQH ILLLEIFVDV<br/> TSSVECLELR DTDLDTFHFS ELSTGETNSL IKKFTFRNVK ITDESLFQVM<br/> KLLNQISGLL ELEFDDCTLN GVGNFRASDN DRVIDPGKVE TLTIRRLHIP<br/> RFYLFYDLST LYSALTERVKR ITVENSKVFL VPCLLSQHLK SLEYLDLSEN<br/> LMVEEYLKNS ACEDAWPSLQ TLILRQNH LA SLEKTGETLL TLKNLTNIDI<br/> SKNSFHSMP E TCQWPEKMKY LNLSTRIHS VTGCIPKTLE ILDVSNNNLN<br/> LFSLNLPQLK ELYISRNKLM TLPDASLLPM LLVLKISRNA ITTFSKEQLD<br/> SFHTLKTLEA GGNNFICSCE FLSFTQEQQA LAKVLIDWPA NYLCDSPSHV<br/> RGQQVQDVRL SVSECHRT</p> |
| <b>Source</b>            | Baculovirus  |
| <b>Target Names</b>      | TLR2   |
| <b>Protein Names</b>     | Recommended name: Toll-like receptor 2<br>Alternative name(s): Toll/interleukin-1 receptor-like protein 4<br>CD_antigen= CD282   |
| <b>Expression Region</b> | 19-588   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | Extracellular domain   |
| <b>Target Details</b>    | <p>This protein is a member of the Toll-like receptor (TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from Drosophila to humans and share structural and functional similarities. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. This gene is expressed most abundantly in peripheral blood leukocytes, and mediates host response to Gram-positive bacteria and yeast via stimulation of NF-kappaB.</p>              |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the   |



contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.