Proteoliposomes Full-Length

# TLR8 (Human) Recombinant Protein

Catalog # H00051311-G01 Size 10 ug

## Specification

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|---|---|
| **Product Description** | Human TLR8 full-length ORF (NP_619542.1) recombinant protein without tag.<br>This product is belong to Proteoliposome (PL). |
| **Sequence** | MENMFLQSSMLTCIFLLISGSCELCAEENFSRSYPCDEKKQNDSVIAECSNRRLQEVPQTVGKYV<br>TELDLSDNFITHITNESFQGLQNLTKINLNHNPNVQHQNGNPGIQSNGLNITDGAFLNLKNLRELLLE<br>DNQLPQIPSGLPESLTELSLIQNNIYNITKEGISRLINLKNLYLAWNCYFNKVCEKTNIEDGVFETLTNL<br>ELLSLSFNSLSHVPPKLPSSLRKLFLSNTQIKYISEEDFKGLINLTLLDLSGNCPRCFNAPFPCVPC<br>DGGASINIDRFAFQNLTQLRYLNLSSTSLRKINAAWFKNMPHLKVLDLEFNYLVGEIASGAFLTMLP<br>RLEILDLSFNYIKGSYPQHINISRNFSKLLSLRALHLRGYVFQELREDDFQPLMQLPNLSTINLGINFIK<br>QIDFKLFQNFSNLEIIYLSENRISPLVKDTRQSYANSSSFQRHIRKRRSTDFEFDPHSNFYHFTRPLIK<br>PQCAAYGKALDLSLNSIFFIGPNQFENLPDIACLNLSANSNAQVLSGTEFSAIPHVKYLDLTNNRLD<br>FDNASALTELSDLEVLDLSYNSHYFRIAGVTHHLEFIQNFTNLKVLNLSHNNIYTLTDKYNLESKSLV<br>ELVFSGNRLDILWNDDDNRYISIFKGLKNLTRLDLSLNRLKHIPNEAFLNLPASLTELHINDNMLKFF<br>NWTLLQQFPRLELLDLRGNKLLFLTDSLSDFTSSLRTLLLSHNRISHLPSGFLSEVSSLKHLDLSSN<br>LLKTINKSALETKTTTKLSMLELHGNPFECTCDIGDFRRWMDEHLNVKIPRLVDVICASPGDQRGK<br>SIVSLELTTCVSDVTAVILFFFTFFITTMVMLAALAHHLFYWDVWFIYNVCLAKVKGYRSLSTSQTFY<br>DAYISYDTKDASVTDWVINELRYHLEESRDKNVLLCLEERDWDPGLAIIDNLMQSINQSKKTVFVLT<br>KKYAKSWNFKTAFYLALQRLMDENMDVIIFILLEPVLQHSQYLRLRQRICKSSILQWPDNPKAEGLF<br>WQTLRNVVLTENDSRYNNMYVDSIKQY |
| **Host** | Wheat Germ (in vitro) |
| **Theoretical MW (kDa)** | 119.8 |
| **Form** | Liquid |
| **Preparation Method** | *in vitro* wheat germ expression system with proprietary liposome technology |
| **Purification** | None |
| **Recommend Usage** | Heating may cause protein aggregation. Please do not heat this product before electrophoresis. |
| **Storage Buffer** | 25 mM Tris-HCl of pH8.0 containing 2% glycerol. |
| **Storage Instruction** | Store at -80°C. Aliquot to avoid repeated freezing and thawing. |
| **Note** | Best use within three months from the date of receipt of this protein. |

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## Applications

- Antibody Production

## Gene Info — TLR8

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|---|---|
| **Entrez GeneID** | 51311 |
| **GeneBank Accession#** | NM_138636.2 |
| **Protein Accession#** | NP_619542.1 |
| **Gene Name** | TLR8 |
| **Gene Alias** | CD288, MGC119599, MGC119600 |
| **Gene Description** | toll-like receptor 8 |
| **Omim ID** | 300366 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The protein encoded by this gene 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 predominantly expressed in lung and peripheral blood leukocytes, and lies in close proximity to another family member, TLR7, on chromosome X. [provided by RefSeq |
| **Other Designations** | OTTHUMP00000022930 |

## Pathway

- Toll-like receptor signaling pathway

## Disease

- Arthritis
- Asthma

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- Bronchiolitis
- Bronchiolitis Obliterans
- Carcinoma
- Cardiovascular Diseases
- Connective Tissue Diseases
- Coronary Artery Disease
- Diabetes Mellitus
- Disease Progression
- Edema
- Fetal Diseases
- Genetic Predisposition to Disease
- Hemorrhagic Fever
- HIV Infections
- Hodgkin Disease
- Infant
- Infection
- Inflammation
- Melanoma
- Multiple Sclerosis
- Musculoskeletal Diseases
- Pregnancy Complications
- Premature Birth
- Prostate cancer
- Prostatic Neoplasms
- Respiratory Syncytial Virus Infections

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- Skin Diseases
- Skin Neoplasms
- Tuberculosis
- Virus Diseases

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