

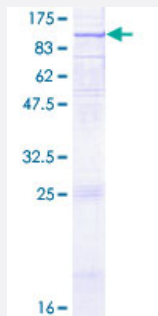
Full-Length

TLR1 (Human) Recombinant Protein (P01)

Catalog # H00007096-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TLR1 full-length ORF (NP_003254.2, 1 a.a. - 786 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MTSIFHFAIIFMLILQIRIQLSESEFLVDRSKNGLIHVPKDLSQKTTILNISQNYISELWTSDILSLSKLRIL
LIISHNRIQYLDISVFKFNQELEYLDLSHNKLVKISCHPTVNLKHLDSLAFDALPICKEFGNMSQLK
FLGLSTTHLEKSSVLPPIAHLNISKVLLVLGETYGEKEDPEGLQDFNTESLHVFPTNKEFHFDVSV
KTVANLELSNIKCVDENKCSYFLSILAKLQTNPKLSNLTLNNIETWNSFIRILQLVWHTTVWYFSIS
NVKLQGGQLDFRDFDYSGLSKALSISQVSDVFGFPQSYEIFSNMNIKNFTVSGTRMVHMLCPS
KISPFLHLDFSNNLLTDTVFENCGLTELETLILQMNQLKELSKIAEMTTQMKSLLQQLDISQNSVSY
DEKKGDCSWTKSLLSLNMSSNLTDTIFRCLPPRIKVLDLHSNKIKSIPKQVVKLEALQELNVAFNS
LTDLPGCGSFSSLSVLIIDHNSVSHPSADFFQSCQKMRSIKAGDNPFQCTCELGEFVKNIQVSS
EVLEGWPDSYKCDYPESYRGTLTKDFHMSSELSCNITLLIVTIVATMLVLAVTVTSLCSYLDLPWYLR
MVCQWTQTRRRARNIPLEELQRNLQFHAFISYSGHDSFWVKNE LLPNLEKEGMQICLHERNFVPG
KSIVENIITCIEKSYKSIFVSPNFVQSEWCHYELFAHHNLFHEGSNSLILILEPIQYSIPSSYHKLK
SLMARRTYLEWPKEKSKRGLFWANLRAAINIKLTEQAKK

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

116.7

Interspecies Antigen Sequence

Mouse (74); Rat (73)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — TLR1

Entrez GeneID	7096
GeneBank Accession#	NM_003263.3
Protein Accession#	NP_003254.2
Gene Name	TLR1
Gene Alias	CD281, DKFZp547I0610, DKFZp564I0682, KIAA0012, MGC104956, MGC126311, MGC126312, TIL, rsc786
Gene Description	toll-like receptor 1
Omim ID	601194
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 ubiquitously expressed, and at higher levels than other TLR genes. Different length transcripts presumably resulting from use of alternative polyadenylation site, and/or from alternative splicing, have been noted for this gene. [provided by RefSeq]

Other Designations

Toll/interleukin-1 receptor-like

Pathway

- [Toll-like receptor signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Arthritis](#)
- [Aspergillosis](#)
- [Asthma](#)
- [Bacteriuria](#)
- [Birth Weight](#)
- [Breast Neoplasms](#)
- [Bronchiolitis](#)
- [Bronchiolitis Obliterans](#)
- [Chagas Cardiomyopathy](#)
- [Chorioamnionitis](#)
- [Chronic Disease](#)
- [Colitis](#)
- [Crohn Disease](#)

- [Cystitis](#)
- [Dermatitis](#)
- [Encephalomyelitis](#)
- [Esophageal Neoplasms](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Hypersensitivity](#)
- [Infant](#)
- [Inflammatory Bowel Diseases](#)
- [Kidney Failure](#)
- [Leprosy](#)
- [Leukemia](#)
- [Lung Diseases](#)
- [Lyme Disease](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Malaria](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Multiple Myeloma](#)
- [Multiple Sclerosis](#)
- [Obstetric Labor](#)
- [Occupational Diseases](#)

- [Parasitemia](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Puerperal Disorders](#)
- [Pyelonephritis](#)
- [Recurrence](#)
- [Respiratory Syncytial Virus Infections](#)
- [Rhinitis](#)
- [Sepsis](#)
- [Streptococcal Infections](#)
- [Tuberculosis](#)
- [Urinary Tract Infections](#)
- [Vaginosis](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)