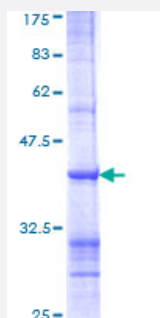


TLR3 (Human) Recombinant Protein (Q01)

Catalog # H00007098-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human TLR3 partial ORF (NP_003256, 601 a.a. - 700 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LPASVFNNQVSLKSLNLQKNLITSVEKKVFGPAFRNLTELDMRFNPFDCETCSIAWFVNWINETHT NIPELSSHYLCNTPPHYHGFPVRLFDTSSCKDSA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (81)
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 — TLR3

Entrez GeneID [7098](#)

GeneBank Accession# [NM_003265](#)

Protein Accession# [NP_003256](#)

Gene Name TLR3

Gene Alias CD283

Gene Description toll-like receptor 3

Omim ID [603029](#)

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 receptor is most abundantly expressed in placenta and pancreas, and is restricted to the dendritic subpopulation of the leukocytes. It recognizes dsRNA associated with viral infection, and induces the activation of NF-kappaB and the production of type I interferons. It may thus play a role in host defense against viruses. Use of alternative polyadenylation sites to generate different length transcripts has been noted for this gene. [provided by RefSeq]

Other Designations -

Pathway

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

Disease

- [Arthritis](#)
- [Aspergillosis](#)
- [Asthma](#)
- [Birth Weight](#)
- [Breast Neoplasms](#)
- [Bronchiolitis](#)
- [Bronchiolitis Obliterans](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)
- [Choroidal Neovascularization](#)
- [Chronic Disease](#)
- [Connective Tissue Diseases](#)
- [Coxsackievirus Infections](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Epidermal Necrolysis](#)
- [Eye Diseases](#)
- [Fetal Diseases](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Geographic Atrophy](#)
- [Glioblastoma](#)

- [Glioma](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [Hodgkin Disease](#)
- [Hypersensitivity](#)
- [Infant](#)
- [Infection](#)
- [Inflammation](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Macular Degeneration](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Multiple Sclerosis](#)
- [Musculoskeletal Diseases](#)
- [Myocarditis](#)
- [Nasopharyngeal Neoplasms](#)
- [Obstetric Labor](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Respiratory Syncytial Virus Infections](#)
- [Skin Diseases](#)
- [Stevens-Johnson Syndrome](#)

- [Subacute Sclerosing Panencephalitis](#)
- [Virus Diseases](#)