

# Recombinant Full Length Human TLR4 Protein, GST-tagged

Cat. No. TLR4-524HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human TLR4 full-length ORF (1 aa-639 aa) recombinant protein fused with GST-tag atN-terminal was expressed in wheat germ.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	639 amino acids
<b>Description</b>	The protein encoded by this gene is a member of the Toll-likereceptor (TLR) family which plays a fundamental role in pathogen recognitionand activation of innate immunity. TLRs are highly conserved from Drosophilato humans and share structural and functional similarities. They recognizepathogen-associated molecular patterns (PAMPs) that are expressed oninfectious agents, and mediate the production of cytokines necessary for thedevelopment of effective immunity. The various TLRs exhibit different patternsof expression. This receptor is most abundantly expressed in placenta, and inmyelomonocytic subpopulation of the leukocytes.
<b>Form</b>	50mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Molecular Mass</b>	99.7kDa
<b>AA Sequence</b>	MPLLNLSLDLSLNPMNFIQPGAFKEIRLHKLTLRNNFDSLNVMKTCIQGLAGLEVHRL VLGEFRNEGNLEKFDKSALEGLCNLTIEEFRLAYLDYYLDDIIDLFNCLTNVSSFSLVS VTIERVKDFSYNFGWQHLELVNCKFGQFPTLKLKSLKRLTFTSNKGGNAFSEVDLPS

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LEFLDLSRNGLSFKGCCSQSDFGTTSLKYLDLSFNGVITMSSNFLGLEQLEHLDFQH  
 SNLKQMSEFSVFLSLRNLIYLDISHTHTRVAFNGIFNGLSSLEVLKMGNSFQENFLP  
 DIFTELRNLTFLDLSQCQLEQLSPTAFNSLSSLQVLNMSHNNFFSLDTFPYKCLNSLQ  
 VLDYSLNHIMTSKKQELQHFPSSLAFLNLTQNDFACTCEHQSFQWIKDQRQLLVEV  
 ERMECATPSDKQGMPVLSL NITCQMNKTIIGVSVLSVLVSVVAVLVYKFYFHLMLLA  
 GCIKYGRGENIYDAFVIYSSQDEDWVRNELVKNLEEGVPPFQLCLHYRDFIPGVAIAA  
 NIIHEGFHKSRKVIVVVSQHFIQSRWCIFEYEIAQTWQFLSSRAGIIFIVLQKVEKTLR  
 QQVELYRLLSRNTYLEWEDSVLGRHIFWRRLRKALLDGKSWNPEGTVGTGCNWQE  
 ATSI

**Purity** GlutathioneSepharose 4 Fast Flow

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

**Gene Name** TLR4 toll-like receptor 4 [ Homo sapiens]

**Official Symbol** TLR4

**Synonyms** TLR4; toll-like receptor 4; TOLL; CD284; TLR-4; ARMD10; toll-like receptor 4; hToll; homolog of Drosophila toll; CD284antigen; OTTHUMP00000022807

**Gene ID** 7099

**mRNA Refseq** NM\_003266

**Protein Refseq** NP\_003257

**MIM** 603030

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