

Recombinant Full Length Human TLR4 Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human TLR4 full-length ORF (1 aa-639 aa) recombinant protein fused with GST-tag atN-terminal was expressed in wheat germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	639 amino acids
Description	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.
Form	50mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	99.7kDa
AA Sequence	MPLLNLSDLNPMNFIQPGAFKEIRLHKLTLRNNFDSLNVMTKCIQGLAGLEVHRL VLGEFRNEGNLEKFDKSALEGLCNLTIEEFRLAYLDYYLDDIIDLFNCLTNVSSFSLVS VTIERVKDFSYNFGWQHLELVNCKFGQFPTLKLKSLKRLTFTSNKGGNAFSEVDLPS

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LEFLDLSRNGLSFKGCCSQSDFGTTSLKYLDLSFNGVITMSSNFLGLEQLEHLDFQH
 SNLKQMSEFSVFLSLRNLIYLDISHTHTRVAFNGIFNGLSSLEVLMAGNSFQENFLP
 DIFTELRNLTFLDLSQCQLEQLSPTAFNSLSSLQVLNMSHNNFFSLDTFPYKCLNSLQ
 VLDYSLNHIMTSKKQELQHFPSSLAFLNLTQNDFACTCEHQSFQWIKDQRQLLVEV
 ERMECATPSDKQGMPVLSLITCQMNKTIIGVSVLSVLVSVVAVLVYKFYFHLMLLA
 GCIKYGRGENIYDAFVIYSSQDEDWVRNELVKNLEEGVPPFQLCLHYRDFIPGVAIAA
 NIIHEGFHKSRKVIVVVSQHFIQSRWCIFEYEIAQTWQFLSSRAGIIFIVLQKVEKTLLR
 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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UniProt ID

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