

Recombinant Human TLR1 Protein (25-580 aa), His-tagged

Cat. No. TLR1-1815H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TLR1 Protein (25-580 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Partial.
Species	Human
Source	Yeast
ProteinLength	25-580 aa
Description	Participates in the innate immune response to microbial agents. Specifically recognizes diacylated and triacylated lipopeptides. Cooperates with TLR2 to mediate the innate immune response to bacterial lipoproteins or lipopeptides. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	65.2 kDa
AA Sequence	SEFLVDRSKNGLIHVPKDL SQKTTILNISQNYISELWTS DILSLSKLRILII SHNRIQYLDI SVFKFNQELEYLDLSHNKLVKISCHPTVNLKHLDSL FNAFDALPICKEFGNMSQLKFL GLSTTHLEKSSVLP IAHNLISKVLLVLGETYGEKEDPEGLQDFNTESLHIVFPTNKEFH FILDVSVKTVANLELSNIKCVLEDNKCSYFLSILAKLQTNPKLSNLT LNNIETT WNSFIRI LQLVWHTTVWYFISISNVKLQGQLDFRDFDYSGLKALS IHQVVS DVF GFGFPQSYIYEI

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FSNMNIKNFTVSGTRMVHMLCPSKISPFLHLDIFSNNLLTDTVFENCGLHTELETILIQ
 MNQLKELSKIAEMTTQMKSLLQQLDISQNSVSYDEKKGDCSWTKSLLSLNMSSNILT
 TIFRCLPPRIKVLDLHSNKIKSIPKQVVKLEALQELNVAFNSLTDLPGCGSFSSLSVLII
 HNSVSHPSADFFQSCQKMRSIKAGDNPFQCTCELGEFVKNIDQVSSEVLEGWPDSY
 KCDYPESYRGTLTKDFHMSSELSNIT

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name TLR1 toll-like receptor 1 [Homo sapiens]

Official Symbol TLR1

Synonyms TLR1; CD281; KIAA0012; rsc786; TIL; TIL. LPRS5; MGC104956; MGC126311; MGC126312; DKFZp547I0610; DKFZp564I0682;

Gene ID 7096

mRNA Refseq NM_003263

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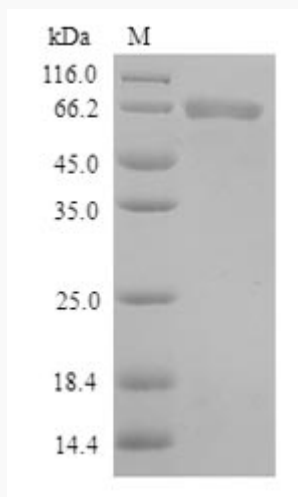
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Protein Refseq NP_003254

MIM 601194

UniProt ID Q15399



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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