

Recombinant Human TLR4 Protein Product Manual

1. Product Basic Information

Product No.: REP08471

Protein Name: Toll Like Receptor 4 Protein (TLR4)

Aliases: TOLL; CD284; TLR-hToll; ARMD10; toll like receptor 4 protein

UniProt ID: O00206

UniProt Link: <https://www.uniprot.org/uniprotkb/O00206/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (27-631aa)

Molecular Weight: 72.4 kDa

Protein Tag: N-terminal 10xHis-tagged

2. Amino Acid Sequence (27-631aa)

EPCVEVVPNITYQCMELNFYKIPDNLPFSTKNLDLSFNPLRHLGSSFFSFPELQVLD
LSRCEIQTIEDGAYQSLSHLSTLILTGNPIQSLALGAFSGLSSLQKLVAVETNLASLEN
FPIGHLKTLKELNVAHNLIQSFKLPEYFSNLTNLEHLDLSSNKIQSIYCTDLRVLHQMP
LLNLSLDLSLNPMMFIQPGAFKEIRLHKLTLRNNFDSLNMKTCIQGLAGLEVHRLVL
GEFRNEGNLEKFDKSALEGLCNLTIEEFRLAYLDYYLDDIIDLFNCLTNVSSFSLVSVT
IERVKDFSYNFGWQHLELVNCKFGQFPTLKLKSLKRLTFTSNKGGNAFSEVDLPSLE
FLDLSRNGLSFKGCCSQSDFGTTSLKYLDLSFNGVITMSSNFLGLEQLEHLDFQHS
NLKQMSEFSVFLSLRNLIYLDISHTHTRVAFNGIFNGLSSLEVLKMAGNSFQENFLPD
IFTELRNLTFLDLSQCQLEQLSPTAFNSLSSLQVLNMSHNNFFSLDTFPYKCLNSLQ
VLDYSLNHIMTSKKQELQHFPSSLAFLNLTQNDFACTCEHQSFLQWIKDQRQLLVEV
ERMECATPSDKQGMPVLSL NITCQMNK

3. Storage Buffer

Liquid Delivery Form: Tris-based buffer with 50% glycerol.

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.



4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human TLR4 partial protein (27-631aa) expressed in E.coli. The protein is with 10xHis tag at the N-terminus, which facilitates protein purification, detection and identification. TLR4, also known as TOLL or CD284 or TLR-hToll, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.