

Recombinant Human TLR9 Protein Product Manual

1. Product Basic Information

Product No.: REP08474

Protein Name: Toll Like Receptor 9 (TLR9)

Aliases: toll like receptor 9

UniProt ID: Q9NR96

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9NR96/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (26-818aa)

Molecular Weight: 95.7 kDa

Protein Tag: N-terminal 10xHis-tagged and C-terminal Myc-tagged

2. Amino Acid Sequence (26-818aa)

LGTLP AFLPCELQPHGLVNCNWFLKSVPHFSMAAPRGNVTSLSLSSNRIHHLHDS
DFAHLPSLRHLNLKWNCPPVGLSPMHFPCMTIEPSTFLAVPTLEELNLSYNNIMTV
PALPKSLISLSLSTHTNILMLDSASLAGLHALRFLFMDGNCYYKNPCRQALEVAPGALL
GLGNLTHLSLKYNLTVVPRNLPSSLEYLLLSYNRIVKLAPEDLANLTALRVLDVGGN
CRRCDHAPNPCMECPRHFPQLHPDTFSHLSRLEGLVLKDSSLSWLNASWFRGLG
NLRVLDLSENFYKCYTKAFQGLTQLRKLNLSFNQKRVSF AHLSLAPSF GSLVAL
KELDMHGIFFRSLDETTLRPLARLPMLQTLRLQMNFINQAQLGIFRAFPGLRYVDLS
DNRISGASELTATMGEADGGEKVWLQPGDLAPAPVDTPSSEDFRPNCSTLNFTLDL
SRNNLVTVQPEMFAQLSHLQCLRLSHNCISQAVNGSQFLPLTGLQVLDLSHNKLDL
YHEHSFTELPRLEALDLSYNSQPFGMQGVGHNFVVAHLRTRLRHLSLAHNNIHSQV
SQQLCSTSLRALDFSGNALGHMWAEGDLYLHFFQGLSGLIWLDLSQNRHLHTLLPQT
LRNLPKSLQVLRRLRDNYLAFFKWWSLHFLPKLEVLDLAGNQLKALTNGSLPAGTRL
RRLDVSCNSISFVAPGFFSKAKELRELNLSANALKTVDHSWFGPLASALQILDV SAN
PLHCACGA AFMDFLLEVQA AV PGLPSRVKCGSPGQLQGLSIFAQDLRLCLDEALSW
DC

3. Storage Buffer



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Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

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 TLR9 partial protein (26-818aa) expressed in E.coli. The protein is dual-tagged with 10xHis tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. TLR9, also known as toll like receptor 9, 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.