



Recombinant Mouse TLR7 Protein Product Manual

1. Product Basic Information

Product No.: REP08472

Protein Name: TLR7

Aliases: IMD74; SLEB17; TLR7-like

UniProt ID: Q9NYK1

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9NYK1/entry>

Species Source: Mus musculus (Mouse)

Expression System: Mammalian cell

Protein Length: Partial (27-348aa)

Molecular Weight: 65.7 kDa

Protein Tag: C-terminal hFc1-tagged

2. Amino Acid Sequence (27-348aa)

FRWFPKTLPCVVKVNIPEAHVIVDCTDKHLTEIPEGIPTNTTNLTLTINHIPSISPDSFR
RLNHLEEIDLRNCNCPVLLGSKANVCTKRLQIRPGSFSGLSDLKALYLDGNQLLEIPQ
DLPSSLHLLSLEANNIFSITKENLTELVNIETLYLGQNCYYRNPCNVSYSEKDAFLVM
RNLKVLSLKDNVTAVPTTLPPNLELYLYNNIIKKIQENDFNNLNELQVLDLSGNCP
RCYNVPYPCTPCENNSPLQIHDNAFNSLTELKVLRLHSNSLQHVPPWFKNMRNLQ
ELDLSQNYLAREIEEAKFLHFLPNLVELDFS

3. Storage Buffer

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



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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 Mouse TLR7 partial protein (27-348aa) expressed in Mammalian cell. The protein is with hFc1 tag at the C-terminus, which facilitates protein purification, detection and identification. TLR7, also known as IMD74 or SLEB17 or TLR7-like, 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.