Recombinant strain TW14359 / EHEC tir Protein Product Manual

1. Product Basic Information

Product No.: REP08463

Protein Name: Toll/Interleukin-1 Receptor-Like Protein (tir)

Aliases: toll/interleukin-1 receptor-like protein

UniProt ID: C6UYL8

UniProt Link: https://www.uniprot.org/uniprotkb/C6UYL8/entry

Species Source: Escherichia coli O157:H7 (strain TW14359 / EHEC)

Expression System: E.coli

Protein Length: Extracellular Domain (252-362aa)

Molecular Weight: 27.8kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (252-362aa)

QALALTPEPDSPTTTDPDAAASATETATRDQLTKEAFQNPDNQKVNIDELGNAIPSG
VLKDDVVANIEEQAKAAGEEAKQQAIENNAQAQKKYDEQQAKRQEELKVSSGAG

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 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 strain TW14359 / EHEC tir extracellular domain protein (252-362aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. tir, also known as toll/interleukin-1 receptor-like protein, 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.