



Recombinant *Shigella flexneri* grxD Protein Product Manual

1. Product Basic Information

Product No.: REP07046

Protein Name: Jw1646Glutaredoxin 4 (grxD)

Aliases: grxD; ydhD; b1654; JW1646Glutaredoxin 4; Grx4; Monothio

UniProt ID: P0AC69

UniProt Link: <https://www.uniprot.org/uniprotkb/P0AC69/entry>

Species Source: *Shigella flexneri*

Expression System: E.coli

Protein Length: Full Length (1-115aa)

Molecular Weight: 28.9 kDa

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

2. Amino Acid Sequence (1-115aa)

MSTTIEKIQRQIAENPILLYMKGSPKLPSCGFSAQAVQALAACGERFAYVDILQNPD
RAELPKYANWPTFPQLWVDGELVGGCDIVIEMYQRGELQQLIKETA AKYKSEEPDA
E

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



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This product is a recombinant *Shigella flexneri* grxD full length protein (1-115aa) expressed in *E.coli*. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. grxD, also known as grxD or ydhD or b1654, 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.