



Recombinant strain ATCC 25285 / DSM 2151 / JCM 11019 / NCTC 9343 htpG Protein Product Manual

1. Product Basic Information

Product No.: REP07168

Protein Name: Molecular Chaperone Htpg (htpG)

Aliases: molecular chaperone HtpG

UniProt ID: P0A6Z3

UniProt Link: <https://www.uniprot.org/uniprotkb/P0A6Z3/entry>

Species Source: Bacteroides fragilis (strain ATCC 25285 / DSM 2151 / JCM 11019 / NCTC 9343)

Expression System: E.coli

Protein Length: Partial (1-326aa)

Molecular Weight: 57.0 kDa

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

2. Amino Acid Sequence (1-326aa)

MQKGNIGVTTENIFPIIKKFLYSDHEIFLRELVSNAVDATQKLNTLASISEFKGELGDLT
VHVSLGKDTITISDRGIGLTAEEDKYINQIAFSGANDFLEKYKNDANAIIGHFGLGFYS
AFMVSKKVEIITKSYKEGAQAVKWTCDGSPEFTLEEVEKADRGTDIVLYIDDDCKEF
LEESRISALLKKYCSFLPVPIAFGKKKEWKDGKQVETAEDNVINDTIPLWTKKPSELS
DEDYKKFYRELYPMSDEPLFWIHLNVDYPFHLTGILYFPKVKSNDLNKNKIQLYCNQ
VYVTDSVEGIVPDLTLLHGVLDSPDIPLNVSR

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 strain ATCC 25285 / DSM 2151 / JCM 11019 / NCTC 9343 htpG partial protein (1-326aa) expressed in E.coli. The protein is dual-tagged with 10xHis-SUMO tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. htpG, also known as molecular chaperone HtpG, 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.