



Recombinant strain K12 OGT Protein Product Manual

1. Product Basic Information

Product No.: REP07682

Protein Name: O-GlcNAc Transferase P110 Subunit (OGT)

Aliases: OGT1; HRNT1; MRX106; XLID106; HINCUT-O-GLCNAC; O-GlcNAc transferase p110 subunit; O-GlcNAc transferase subunit p110; O-linked N-acetylglucosamine (GlcNAc) transferase

UniProt ID: O15294

UniProt Link: <https://www.uniprot.org/uniprotkb/O15294/entry>

Species Source: Escherichia coli (strain K12)

Expression System: E.coli

Protein Length: Full Length (1-171aa)

Molecular Weight: 23.3

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-171aa)

MLRLLEEKIATPLGPLWVICDEQFRLRAVEWEEYSERMVQLLDIHYRKEGYERISAT
NPGGLSDKLREYFAGNLSIIDTLPTATGGTPFQREVWKTTLRTIPCGQVMHYGQLAE
QLGRPGAARAVGAANGSNPISIVVPCHRVIGRNGTMTGYAGGVQRKEWLLRHEGY
LLL

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

5. Product Description

This product is a recombinant strain K12 OGT full length protein (1-171aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. OGT, also known as OGT1 or HRNT1 or MRX106, 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.