



Recombinant strain ATCC 204508 / S288c DMC1 Protein Product Manual

1. Product Basic Information

Product No.: REP06684

Protein Name: Meiotic Recombination Protein Dmc1/Lim15 Homolog (DMC1)

Aliases: DMC1H; LIM15; meiotic recombination protein DMC1/LIM15 homolog

UniProt ID: Q14565

UniProt Link: <https://www.uniprot.org/uniprotkb/Q14565/entry>

Species Source: *Saccharomyces cerevisiae* (strain ATCC 204508 / S288c) (Baker's yeast)

Expression System: E.coli

Protein Length: Full Length (1-334aa)

Molecular Weight: 43.5 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (1-334aa)

MSVTGTEIDSDTAKNILSVDELQNYGINASDLQKLKSGGIYTVNTVLSTTRRHLCIK
GLSEVKVEKIKEAAGKIIQVGFIPATVQLDIRQRVYSLSTGSKQLDSILGGGIMTMSIT
EVFGEFRCGKTQMSHTLCVTTQLPREMGGGEGKVAYIDTEGTFRPERIKQIAEGYE
LDPESECLANVSYARALNSEHQMELVEQLGEELSSGDYRLIVVDSIMANFRVDYCGR
GELSERQQKLNQHLFKLNRLAEFNVAVFLTNQVQSDPGASALFASADGRKPIGGH
VLAHASATRILLRKGRGDERVAKLQDSPDMPEKECVYVIGEKGITDSSD

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 ATCC 204508 / S288c DMC1 full length protein (1-334aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. DMC1, also known as DMC1H or LIM15 or meiotic recombination protein DMC1/LIM15 homolog, 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.