



Recombinant Human MDC1 Protein Product Manual

1. Product Basic Information

Product No.: REP07430

Protein Name: Nuclear Factor With Brct Domains Mediator Of Dna Damage Checkpoint Mediator Of Dna Damage Checkpoint Protein Homologue To Drosophila Photoreceptor Protein Calphotin (MDC1)

Aliases: nuclear factor with BRCT domains mediator of DNA damage checkpoint mediator of DNA damage checkpoint protein homologue to Drosophila photoreceptor protein calphotin

UniProt ID: Q14676

UniProt Link: <https://www.uniprot.org/uniprotkb/Q14676/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (1892-2082aa)

Molecular Weight: 36.9 kDa

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

2. Amino Acid Sequence (1892-2082aa)

APKVLFTGVVDARGERAVLALGGSLAGSAAEASHLVTDRIRRTVKFLCALGRGIPILS
LDWLHQSRKAGFFLPPDEYVVTDPQEKENFGFSLQDALSRARERRLLEGYEIYVTP
GVQPPPPQMGEIISCCGGTYLPSMPRSYKQQRVVITCPQDFPHCSIPLRVGLPLLSP
EFLLTGVLKQEAKPEAFVLS

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

5. Product Description

This product is a recombinant Human MDC1 partial protein (1892-2082aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. MDC1, also known as nuclear factor with BRCT domains mediator of DNA damage checkpoint mediator of DNA damage checkpoint protein homologue to Drosophila photoreceptor protein calphotin, 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.