



Recombinant Human MPO Protein Product Manual

1. Product Basic Information

Product No.: REP07489

Protein Name: MPO

Aliases: myeloperoxidase

UniProt ID: P05164

UniProt Link: <https://www.uniprot.org/uniprotkb/P05164/entry>

Species Source: Homo sapiens (Human)

Expression System: Yeast

Protein Length: Full Length of Mature Protein (49-745)

Molecular Weight:

Protein Tag: Tag type will be determined during the manufacturing process. The tag type will be determined during production process. If you have specified tag type, please tell us and we will develop the specified tag preferentially.

2. Amino Acid Sequence (49-745)

AAPAVLGEVDTSLVLSSMEEAKQLVDKAYKERRESIKQRLRSGSASPMELLSYFKQ
PVAATRTAVRAADYLHVALDLLERKLRLSLWRRPFNVTDVLTPAQLNVLSKSSGCAY
QDVGVTCPQDKYRTITGMCNNRRSPTLGASNRAFWLPAEYEDGFSLPYGWT
PGVKRNGFPVALARAVSNEIVRFPTDQLTPDQERSLMFMQWGQLLDHDLDFTEP
AARASFVTGVNCETSCVQQPPCFPLKIPPNDPRIKNQADCIPFFRSCPACPGSNITIR
NQINALTSFVDASMVYGSEEPLARNLRNMSNQLGLLAVNQRFQDNGRALLPFDNLH
DDPCLLTNRSARIPCFLAGDTRSSEMPELTSMHTLLLREHNRLATELKS LNPRWDG
ERLYQEARKIVGAMVQIITYRDYLPVLGPTAMRKYLPTYRSYNDSDPRIANVFTNA
FRYGHTLIQPFMFRLDNRYQPMENPRVPLSRVFFASWRVVLEGGIDPILRGLMAT
PAKLNRQNQIAVDEIRERLFEQVMRIGLDLPALNMQRSRDHGLPGYNWRRFCGLP
QPETVGQLGTVLRNLKLARKLMEQYGTPNNIDIWMGGVSEPLKRKGRVGPLLACIIG
TQFRKL RDGDRFWWENEGVFSMQQRQALAQISLPRIICDNTGITT VSKNNIFMSNS
YPRDFVNCSTLPALNLASWREAS

3. Storage Buffer



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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 Human MPO full length of mature protein protein (49-745) expressed in Yeast. MPO, also known as myeloperoxidase, 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.