



Recombinant Human IL1B Protein Product Manual

1. Product Basic Information

Product No.: REP07207

Protein Name: IL-1 Beta (IL1B)

Aliases: IL-IL1F2; IL1beta; IL1-BETA; IL-1 beta; catabolin; interleukin 1beta; interleukin 1 beta; interleukin-1 beta; preinterleukin 1 beta; pro-interleukin-1-beta

UniProt ID: P01584

UniProt Link: <https://www.uniprot.org/uniprotkb/P01584/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (117-269aa)

Molecular Weight: 21.5 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (117-269aa)

APVRS LNCTLRDSQQKSLVMSGPYELKALHLQGQDMEQQVVFSMSFVQGGEESND
KIPVALGLKEKNLYLSCVLKDDKPTLQLESVDPKNYPKKKMEKR FVFNKIEINN KLEF
ESAQFPN WYIST SQAENMPVFLGGTKGGQDITDFTMQFVSS

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 Human IL1B partial protein (117-269aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. IL1B, also known as IL-IL1F2 or IL1beta or IL1-BETA, 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.