



Recombinant Human HOXB4 Protein Product Manual

1. Product Basic Information

Product No.: REP07139

Protein Name: Hox-2.Homeobox B4 (HOXB4)

Aliases: HOX2; HOX2F; HOX-2.homeobox B4; homeo box 2F; homeo box B4; homeobox protein Hox-2F; homeobox protein Hox-B4; homeobox protein Hox-2.6

UniProt ID: P17483

UniProt Link: <https://www.uniprot.org/uniprotkb/P17483/entry>

Species Source: Homo sapiens (Human)

Expression System: Yeast

Protein Length: Full Length (1-251aa)

Molecular Weight: 29.6kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-251aa)

MAMSSFLINSNYVDPKFPPCEEYSQSDYLPSDHSPGYAGGQRRESSFQPEAGFG
RRAACTVQRYAACRDPGPPPPPPPPPPPPPPGLSPRAPAPPAGALLPEPGQRC
EAVSSSPPPPCAQNPLHPSPSHSACEPVVYPWMRKVHVSTVNPNYAGGEPKR
SRTAYTRQQVLELEKEFHYNRYLTRRRRVEIAHALCLSERQIKIWFQNRMRMKWKKD
HKLPNTKIRSGGAAGSAGGPPGRPNGGPRAL

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



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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 HOXB4 full length protein (1-251aa) expressed in Yeast. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. HOXB4, also known as HOX2 or HOX2F or HOX-2.homeobox B4, 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.