

Recombinant Human HMOX1 Protein Product Manual

1. Product Basic Information

Product No.: REP07126

Protein Name: Heme Oxygenase Heat Shock Protein, 32-Kd (HMOX1)

Aliases: HO-HSP32; HMOX1D; bK286B10; heme oxygenase heat shock protein, 32-kD; heme oxygenase (decycling) 1

UniProt ID: P09601

UniProt Link: <https://www.uniprot.org/uniprotkb/P09601/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (3-288aa)

Molecular Weight: 36.6kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (3-288aa)

RPQPDSMPQDLSEALKEATKEVHTQAENAEFMRNFQKGQVTRDGFKLVMASLYHI
YVALEEEIERNKESPVFAPVYFPEELHRKAALEQDLAFWYGPRWQEVIPYTPAMQR
YVKRLHEVGRTEPELLVAHAYTRYLGDLSGGQVLKKIAQKALDLPSSGEGLAFFTFP
NIASATKFKQLYRSRMNSLEMTPAVRQRVIEEAKTAFLLNIQLFEELQELLTHDTKDQ
SPSRAPGLRQRASNKVQDSAPVETPRGKPPLNTRSQAPLLRWVLTLSFLVATVAVG
LYAM

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



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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 HMOX1 partial protein (3-288aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. HMOX1, also known as HO-HSP32 or HMOX1D or bK286B10, 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.