

Recombinant Human OTX2 Protein Product Manual

1. Product Basic Information

Product No.: REP07712

Protein Name: Homeobox Protein Otx2 (OTX2)

Aliases: CPHD6; MCOPS5; homeobox protein OTX2; orthodenticle homolog orthodenticle homeobox 2

UniProt ID: P32243

UniProt Link: <https://www.uniprot.org/uniprotkb/P32243/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Isoform 2 (1-297aa)

Molecular Weight: 48.4kDa

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

2. Amino Acid Sequence (1-297aa)

MMSYLKQPPYAVNGLSLTTSMDLLHPSVGYGPGPWASCPAATPRKQRRERTTFTR
AQLDVLEALFAKTRYDPDIFMREEVALKINLPESRVQVWFKNRRRAKCRQQQQQQN
GGQNKVRPAKKKTSPAREVSSSESGTSGQFTPPSSTSVPTIASSAPVSIWSPASISP
LSDPLSTSSSCMQRSYPMTYTQASGYSGYAGSTSYFGGMDCGSYLTPMHHQLP
GPGATLSPMGTNAVTSHLNQSPASLSTQGYGASSLGFNSTTDCLDYKDQTASWKL
NFNADCLDYKDQTSSWKFQVL

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 OTX2 full length of isoform 2 protein (1-297aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. OTX2, also known as CPHD6 or MCOPS5 or homeobox protein OTX2, 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.