

Recombinant Bovine DHCR7 Protein Product Manual

1. Product Basic Information

Product No.: REP06665

Protein Name: 7-Dhc Reductase (DHCR7)

Aliases: 7-DHC reductase; sterol reductase SR-delta7-sterol reductase; sterol delta-7-reductase; 7-dehydrocholesterol reductase; cholesterol-5,6-epoxide hydrolase subunit DHCR7

UniProt ID: Q9UBM7

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9UBM7/entry>

Species Source: Bos taurus (Bovine)

Expression System: in vitro E.coli expression system

Protein Length: Full Length (1-475aa)

Molecular Weight: 55.8 kDa

Protein Tag: N-terminal 10xHis-tagged

2. Amino Acid Sequence (1-475aa)

MAAKSQPSAPKTKSTSGLTNGNAAAQGQWGRAWVDWFSLASVIFLLLFAPFIVYY
FIMACDQYGCSLTVPVADLATGRARLADIWARTPPVTAKAAQIYTAWVTLQVLLYML
LPDFCHKFLPGYVGGVQEGAVTPAGAVNKYEINGLQAWLLTHLLWFANAHLLGWF
SPTIIFDNWIPLLWCANILGYTVSTFAMVKGYLFTDARECKFTGNFFYNYMMGVEF
NPRIGKWFDFKLFFNGRPGIVAWTLINLSFAAKQQELYGHVTNSMVLVNILQAIYVLD
FFWNETWYLKTDICHDFGWYLGWGDVCWLPYLYTLQGLYLVYHPVQLPTYAL
GVLLLGLLGYIIFRMTNHQKDLFRRTDGRCLIWGRKPKAIECSYTSADGQRHHSKLL
VSGFWGVARHFNYTGDLMGSLAYCLACGGGHLLPYFYIIFMAILLTHRCLRDEHRC
ANKYGRDWEHYTAAVPYRLLPGIF

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

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 Bovine DHCR7 full length protein (1-475aa) expressed in in vitro E.coli expression system. The protein is with 10xHis tag at the N-terminus, which facilitates protein purification, detection and identification. DHCR7, also known as 7-DHC reductase or sterol reductase SR-delta7-sterol reductase or sterol delta-7-reductase, 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.