



# Recombinant Bovine FDXR Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP06873

**Protein Name:** Ferredoxin Reductase (FDXR)

**Aliases:** AR; ADR; ADXR; ANOA; MMDS9B; ferredoxin reductase; adrenodoxin reductase; adrenodoxin-NADP(+) reductase; ferredoxin--NADP(+) reductase; epididymis secretory sperm binding protein; NADPH:adrenodoxin ox...

**UniProt ID:** P22570

**UniProt Link:** <https://www.uniprot.org/uniprotkb/P22570/entry>

**Species Source:** Bos taurus (Bovine)

**Expression System:** E.coli

**Protein Length:** Full Length of Mature Protein (33-492aa)

**Molecular Weight:** 55.8 kDa

**Protein Tag:** N-terminal 10xHis-tagged

## 2. Amino Acid Sequence (33-492aa)

STQEQTPQICVVGSGPAGFYTAQHLLKHHSRAHVDIYEKQLVPFGLVRFVAPDHP  
EVKNVINTFTQTARSDRCIFYGNVEVGRDVTQELQDAYHAVVLSYGAEDHQALDI  
PGEELPGVFSARAFVGWYNGLPENRELAPDLSCDTAVILGQGNVALDVARILLTPP  
DHLEKTDITEAALGALRQSRVKTWIVGRRGPLQVAFTIKELREMIQLPGTRPMLDP  
ADFLGLQDRIKEAARPRKRLMELLRLTATEKPGVEEAARRASASRAWGLRFFRSPQ  
QVLPSPDGRRAGIRLAVTRLEGIGEATRAVPTGDVEDLPCGLVLSSIGYKSRPIDP  
SVPFDPKLGVPNMGRVVDVPGLYCSGWVKRGPTGVITTTMTDSFLTQILLQDL  
KAGHLPSGPRPGSAFIKALLDSRGVWPVSFSDWEKLDAAEEVSRGQASGKPREKLL  
DPQEMLRLLGH

## 3. Storage Buffer

**Liquid Delivery Form:** Tris-based buffer with 50% glycerol.

**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 Bovine FDXR full length of mature protein protein (33-492aa) expressed in E.coli. The protein is with 10xHis tag at the N-terminus, which facilitates protein purification, detection and identification. FDXR, also known as AR or ADR or ADXR, 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.