

Recombinant Rat Hpx Protein

Product Manual

1. Product Basic Information

Product No.: REP07144

Protein Name: Epididymis Secretory Sperm Binding Protein (Hpx)

Aliases: hemopexin; beta-1B-glycoprotein; epididymis secretory sperm binding protein

UniProt ID: P20059

UniProt Link: <https://www.uniprot.org/uniprotkb/P20059/entry>

Species Source: Rattus norvegicus (Rat)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (24-460aa)

Molecular Weight: 52.9kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (24-460aa)

NPLPAAHETVAKGENGTKPDSDVIEHCSDAWSFDATTMDHNGTMLFFKGEFVWRG
HSGIRELISERWKNPVTSDAAFRGPDSVFLIKEDKVWVYPPEKKENGYPKLFQEEF
PGIPYPPDAAVECHRGECQSEGVLFFQGNRKWFWDFATRTQKERSWPAVGNCTA
ALRWLERYCYCFQGNKFLRFNPVTGEVPPRYPLDARDYFISCPGRGHGKLRNGTAH
GNSTHPMHSRCNADPGLSALLSDHRGATYAFSGSHYWRLDSSRDGWSWPIAHH
WPQGPSAVDAAFSWDEKVYLIQGTQVYVFLTKGGNNLVSGYPKRLEKELGSPPGIS
LDTIDAAFSCPGSSKLYVTSGRRLWWLDLKSGAQATWAELSWPHEKVDGALCLEK
SLGPYSCSSNGPNLFFIHGPNLYCYSSIDKLNAAKSLPQPQKVNSILGCSQ

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 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 Rat Hpx full length of mature protein protein (24-460aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. Hpx, also known as hemopexin or beta-1B-glycoprotein or epididymis secretory sperm binding protein, 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.