



Recombinant Human HPS1 Protein Product Manual

1. Product Basic Information

Product No.: REP07143

Protein Name: Bloc-3 Complex Member Hps1 (HPS1)

Aliases: HPS; BLOC3S1; BLOC-3 complex member HPS1; Hermansky-Pudlak syndrome 1 protein

UniProt ID: Q92902

UniProt Link: <https://www.uniprot.org/uniprotkb/Q92902/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Isoform III (1-324aa)

Molecular Weight: 63.5kDa

Protein Tag: N-terminal GST-tagged

2. Amino Acid Sequence (1-324aa)

MKCVLVATEGAIEVLFYWTDQEFEEESRLKFGQSENEEEELPALEDQLSTLLAPVIIS
SMTMLEKLSDTYTCFSTENGNFYVLHLFGCELFIAINGDHTSEGDRLRRKLYVLKYL
FEVHFGVLTVTDGHLIRKELRPPDLAQRVQLWEHFQSLWLTYSRLREQEQCFAVEAL
ERLIHPQLCELCEALERHVIQAVNTSPERGEEALHAFLLVHSKLLAFYSSHSASSL
RPADLLALILLVQDLYPSESTAEDDIQSPRRARSSQNIPVQQAWSPHSTGPTGGSS
AETETDSFSLPEEYFTPAPSPGDQSSGEDRRKAGGNNS

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 HPS1 full length of isoform iii protein (1-324aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. HPS1, also known as HPS or BLOC3S1 or BLOC-3 complex member HPS1, 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.