



Recombinant Human ABCG1 Protein Product Manual

1. Product Basic Information

Product No.: REP06007

Protein Name: Abc Transporter Homolog Of Drosophila White (ABCG1)

Aliases: ABC8; WHITE1; ABC transporter homolog of Drosophila white

UniProt ID: P45844

UniProt Link: <https://www.uniprot.org/uniprotkb/P45844/entry>

Species Source: Homo sapiens (Human)

Expression System: Yeast

Protein Length: Partial (1-426aa)

Molecular Weight: 51.0 kDa

Protein Tag: N-terminal 10xHis-tagged and C-terminal Myc-tagged

2. Amino Acid Sequence (1-426aa)

MACLMAAFSVGTAMNASSYSAEMTEPKSVCVSVDEVSSNMEATETDLLNGHLKK
VDNNLTEAQRFSSLPRRAAVNIEFRDLSYSVPEGPWWRKKGKYLTKGISGKFNSG
ELVAIMGPSGAGKSTLMNLAGYRETGMKGAVLINGLPRDLRCFRKVSCYIMQDDM
LLPHLTVQEAMMVSAHLKLQEKDEGRREMVKEILTALGLLSCANTRTGSLSGGQQRK
RLAIALELVNNPPVMFFDEPTSGLDASCFQVVSLMKGLAQGGRSIICTIHQPSAKLF
ELFDQLYVLSQGQCVRGKVCNLVPYLRDLGLNCPTYHNPADFVMEVASGEYGDQ
NSRLVRVREGMCDSDHKRDLGGDAEVPFLWHRPSEEVKQTKRLKGLRKDSSS
MEGCHSFSASCLTQFCILFKRTFLSIMRDSVLTHLR

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



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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 ABCG1 partial protein (1-426aa) expressed in Yeast. The protein is dual-tagged with 10xHis tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. ABCG1, also known as ABC8 or WHITE1 or ABC transporter homolog of Drosophila white, 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.