

Recombinant Full Length Arabidopsis Thaliana Abc Transporter G Family Member 12(Atcg12) Protein, His-Tagged

Cat. No. RFL6152AF Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Full Length Arabidopsis thaliana ABC transporter G family member 12(Atcg12) Protein (Q9C8K2) (1-687aa), fused to N-terminal His tag, was expressed in E. coli.

Species Arabidopsis thaliana

Source E.coli

ProteinLength Full Length (1-687)

Form Lyophilized powder

AA Sequence

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MELESTSNRRPPPPAEIGRGAYLAWEDLTVVIPNFSGGPTRRLDGLNGHAEPGRIMAI
MGPSGSGKSTLLDSLALAGRLARNVIMTGNLLNGKKARLDYGLVAYVTQEDILMG
TLTVRE TITYSAHLRLSSDLTKEEVNDIVEGTIIELGLQDCADRIGNWHSRGSVSGGE
RKRVSVAL EILTRPQILFLDEPTSGLDASAFFVIQALRNIARDGGRTVVSSIHQPSSE
VFALFDDLF LLSSGETVYFGESKFAVEFFAEAGFPCPKKRNP SDHFLRCINSDFDTV
TATLKGSQRIRE TPATSDPLMNLATSEIKARLVENYRRSVYAKSAKSRIELASIEGH
HGMEVRKGSEATWF KQLRTLTKRSFVNMCRDIGYYWSRIVYIVVSFCVGTIFYDVG
HSYTSILARVSCGGFIT GFMTFMSIGGFPSFIEEMKVIFYKERLSGYYGVSVYIISNYV
SSFPFLVAIALITGSITYN MVKFRPGVSHWAFFCLNIFFSVSVIESLMMVVASLVPNFL
MGLITGAGIIGIIMMTSGFF RLLPDLPKVFWRYPI SFMSYGSWAIQGAYKNDFLGFLEF
DPMFAGEPKMTGEQVINKIFGV QVTHSKWWDLSAIVLILVCYRILFFIVLKLKERAEP
    
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ALKAIQAKRTMKSLKKRPSFKKVP SLSSLSSRRHQPLHSLSSQEGLTSPIN

Purity Greater than 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Storage Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

Storage Buffer Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name ABCG12

Synonyms ABCG12; CER5; D3; WBC12; At1g51500; F5D21.6; ABC transporter G family member 12; ABC transporter ABCG.12; AtABCG12; Protein ECERIFERUM 5; White-brown complex homolog protein 12; AtWBC12

UniProt ID [Q9C8K2](https://www.uniprot.org/entry/Q9C8K2)

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