

# Recombinant Full Length Arabidopsis Thaliana Abc Transporter D Family Member 2, Chloroplastic(Abcc2) Protein, His-Tagged

**Cat. No.** RFL31491AF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Arabidopsis thaliana ABC transporter D family member 2, chloroplastic(ABCC2) Protein (Q6NLC1) (45-706aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Arabidopsis thaliana                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | Full Length of Mature Protein (45-706)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | SSLLPQPSVRPDKASELKTWKKFYKVASPYWFSEDKDQARLRLAAVFALTTLATTGI<br>SVG FNFLGRDFYNSLANKDQEQFTKQLFYLLCAFAGGIPFFVLRDYTEKTLRLWR<br>SWMTKYY LQRYLKDQTFYKIQSQSIIDNPDQRLVDDLSSFTGTALSFSLSLVNATIDLI<br>SFSNIFT IYPPLFLVLLYSFGGTAISVFLGKGLVNLNLFQEKKEADFRYSLVRVREN<br>AESIAFYGG EQNEMQLLLQFRSAFDNLTELLIASRNLEFFTDGYRYLIQILPVAVVA<br>PMYFSGKIEFG VINQSVSAFNHILGDFSLVVYQFQAISFSVAIDRLGEFDDLLDNNIF<br>RDPSTVDIEIL TYQSEMNSSLLDTNGSIKSQPNQKRLEIEELTLQPTNGTTLVHNL<br>SADVYDKDHLLIMG PSGSGKTSLLRAMAGLWRSKGKITFYLDPEVDFTQEKSQTQ<br>ENSGKRGDVLFLPQRPYM VLGSLRQQLLYPTWSATVEETTPGGSNIDGSPPLIRE<br>DGNEKPTTDDL MRTLEKVCLGH IADRFGGLDSIHEWSSVLSLGEQQRLAFARLLLS |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

QPKLALLDESTSALDEANEAFLYQQI QSAGITYISIGHRRRTLTKFHNKILQISTADPKS  
NERNWRIEDVDAQDSLYGRLNQKEVPS ES

**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** ABCC2

**Synonyms** ABCC2; PMP1; At1g54350; F20D21.17; ABC transporter D family member 2, chloroplastic; ABC transporter ABCD.2; AtABCD2

**UniProt ID** [Q6NLC1](#)

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