Recombinant Full Length Arabidopsis Thaliana Aluminum-Activated Malate Transporter 12(Almt12) Protein, His-Tagged

Cat. No. RFL823AF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Arabidopsis thaliana Aluminum-activated malate transporter 12(ALMT12) Protein (O49696) (1-560aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Arabidopsis thaliana
Source	E.coli
ProteinLength	Full Length (1-560)
Form	Lyophilized powder
AA Sequence	MSNKVHVGSLEMEEGLSKTKWMVLEPSEKIKKIPKRLWNVGKEDPRRVIHALKVGL SLTL VSLLYLMEPLFKGIGSNAIWAVMTVVVVLEFSAGATLCKGLNRGLGTLIAGSLA FFIEFV ANDSGKVLRAIFIGTAVFIIGAAATYIRFIPYIKKNYDYGVVIFLLTFNLITVSSY RVDS VINIAHDRFYTIAVGCGICLFMSLLVFPIWSGEDLHKTTVGKLQGLSRSIEACV DEYFEE KEKEKTDSKDRIYEGYQAVLDSKSTDETLALYANWEPRHTLRCHRFPCQQ YVKVGAVLRQ FGYTVVALHGCLQTEIQTPRSVRALFKDPCVRLAGEVCKALTELAD SISNHRHCSPEILS DHLHVALQDLNSAIKSQPKLFLGSNLHRHNNKHQNGSISNNKH HQRNSSNSGKDLNGDVS LQNTETGTRKITETGSRQGQNGAVSLSSFRTDTSALME YRRSFKNSNSEMSAAGERRMLR PQLSKIAVMTSLEFSEALPFAAFASLLVEMVARL DNVIEEVEELGRIASFKEYDNKRDQT ADDVRCENPANVTISVGAAE
Purity	Greater than 90% as determined by SDS-PAGE.

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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℃/-80℃. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name	ALMT12
Synonyms	ALMT12; QUAC1; At4g17970; T6K21.150; Aluminum-activated malate transporter 12; AtALMT12; Quick anion channel 1
UniProt ID	O49696

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