Certificate of Analysis

Recombinant ATHOL1 protein (6*His tag)

Catalog Number: 530110

Product Information

Batch No.	NP456375
Species	Arabidopsis thaliana
Source	E. coli
Tag	C-His tag
Accession	AT2G43910.1
Molecular Weight	Predictes a molecular mass of 26.34 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 26 kDa band.

Analytical Data

Test	Specifications	Results
Purity	>90%, by SDS-PAGE with Coomassie Brilliant Blue staining.	90%
Endotoxin Level	-	Not Tested
Molecular Weight		Approximately 26.34 kDa band in reducing SDS-PAGE.
Appearance		White lyophilized powder

Preparation and Storage

Formulation	The purified protein was Lyophilized from sterile PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH7.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.
Reconstitution	Reconstitute at 0.25 μg/μl in 200 μl sterile water for short-term storage. Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage & Stability	Store for up to 12 months at -20°C to -80°C as lyophilized powder. Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	Ambient temperature

This certificate summarizes the QC information recorded for the batch listed above.

QC Signature

QC Date: 2025-11-10

Products are for research use only and are not intended for diagnostic or therapeutic use.