

# Recombinant Full Length Arabidopsis Thaliana Alternative Oxidase 2, Mitochondrial(Aox2) Protein, His-Tagged

**Cat. No.** RFL272AF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Arabidopsis thaliana Alternative oxidase 2, mitochondrial(AOX2) Protein (O22049) (22-353aa), 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 (22-353)
<b>Form</b>	Lyophilized powder
<b>AA Sequence</b>	NMFVSSVSSTSVMKSPYEITAPMRIHDWCGGFGDFKIGSKHVQGNFNLRWGMSS ASAME KKDENLTVKKGQNGGGSVAVPSYWGIETAKMKITRKDGS DWPWNCFMPW ETYQANLSIDL KKHHPKNIADKVAYRIVKLLRIPTDIFFQRRYGCRAMMLETVA AVP GMVGGMLLHLKSI RKFEHSGGWIKALLEEAENERMHLMTMMELVKPKWYERLLVM LVQGIFFNSFFVCYVISP RLAHRVVGYLEEEAIHSYTEFLKIDIDNGKIENVAAPAIAIDY WRLPKDATLKD VVTVIRA DEAHHRDVNHFASDIRNQGKELREAAPIGYH
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

 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

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

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

<b>Reconstitution</b>	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

<b>Gene Name</b>	AOX2
------------------	------

<b>Synonyms</b>	AOX2; At5g64210; MSJ1.5; Ubiquinol oxidase 2, mitochondrial; Alternative oxidase 2
-----------------	--

<b>UniProt ID</b>	<a href="#">O22049</a>
-------------------	------------------------

 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