

Recombinant Arabidopsis Thaliana CAT2 Protein (1-492 aa), His-SUMO-tagged

Cat. No. CAT2-2100A **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Arabidopsis Thaliana (Mouse-ear cress) CAT2 Protein (1-492 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length.
Species	Arabidopsis Thaliana
Source	E.coli
ProteinLength	1-492 aa
Description	Occurs in almost all aerobically respiring organisms and serves to protect cells from the toxic effects of hydrogen peroxide.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	72.9 kDa
AA Sequence	MDPYKYRPASSYNSPFFTNSGAPVWNNNSSMTVGPRGPILLEDYHLVEKLANFDR ERIPERVVHARGASAKGFFEVTHTDISNLTCADFLRAPGVQTPVIVRFSTVIHERGSPE TLRDPRGFAVKFYTREGNFDLVGNFPVFFIRDGMKFPDMVHALKPNPKSHIQENW RILDFFSHHPESLNMFTFLFDDIGIPQDYRHMDGSGVNTYMLINKAGKAHYVKFHWK PTCGVKSLLEEDAIRVGGTNHSHATQDLYDSIAAGNYPEWKLFQIIDPADEDKDFDFD PLDVTKTWPEDILPLQPVGRMVLNKNIDNFFAENEQLAFCPAIVPGIHYSDDKLLQTR VFSYADTQRHRLGPNYLQLPVNAPKCAHHNNHHEGFMNFMHRDEEVNYFPSRYD

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QVRHAEKYPTPPAVCSGKRERCIEKENNFKEPGERYRTFTPERQERFIQRWIDALS
DPRITHEIRSIWISYWSQADKSLGQKLASRLNVRPSI

Purity > 90% as determined by SDS-PAGE.

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

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

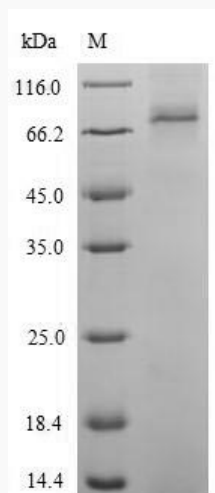
Synonyms CAT2;

UniProt ID [P25819](#)

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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