

Recombinant Arabidopsis thaliana Catalase-2(CAT2)

Catalog No: #AP74596



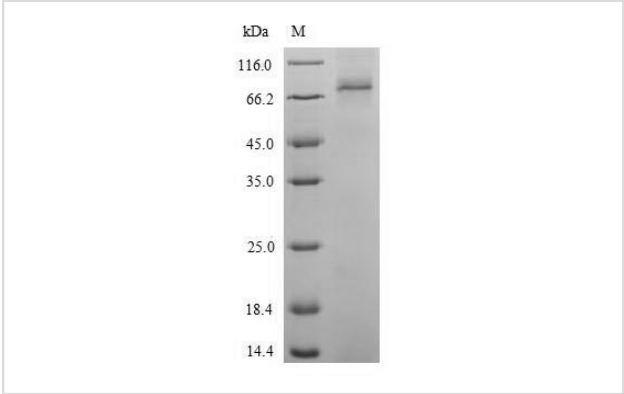
Package Size: #AP74596-1 20ug #AP74596-2 100ug #AP74596-3 1mg

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Description

Product Name	Recombinant Arabidopsis thaliana Catalase-2(CAT2)
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-492aaSequence Info:Full Length
Accession No.	P25819
Uniprot	P25819
GeneID	829661;
Calculated MW	72.9 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MDPYKYRPASSYNSPFFTTNSGAPVWNNNSSMTVGPRGPILLEDYHLVEKLANFDRERIPERVVHARGASAK GFFEVDHISNLTCADFLRAPGVQTPVIVRFSTVIHERGSPETLRDPRGFAVKFYTREGNFDLVGNNFPVFFIR DGMKFPDMVHALKPNPKSHIQENWRILDFFSHHPESLNMFTFLFDDIGIPQDYRHMDGSGVNTYMLINKAGKA HYVKFHWKPTCGVKSLLIEDAIRVGGTNHSHATQDLYDSIAAGNYPEWKLFIQIIDPADEDKFDFDPLDVTKTW PEDILLPQPVGRMVLNKNIDNFFAENEQLAFCPAIIVPGIHYSDDKLLQTRVFSYADTQRHRLGPNYLQLPVNAP KCAHHNNHHHEGFMNFMHRDEEVNYFPSTRYDQVRHAEKYTPPAVCSGKRERCIEKENNFKEPGERYRTFTP ERQERFIQRWIDALSDPRITHEIRSIWISYWSQADKSLGQKLASRLNVRPSI
Formulation	Tris-based buffer50% glycerol
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°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Images



Background

Occurs in almost all aerobically respiring organisms and serves to protect cells from the toxic effects of hydrogen peroxide.

References

"Empirical analysis of transcriptional activity in the Arabidopsis genome." Yamada K., Lim J., Dale J.M., Chen H., Shinn P., Palm C.J., Southwick A.M., Wu H.C., Kim C.J., Nguyen M., Pham P.K., Cheuk R.F., Karlin-Newmann G., Liu S.X., Lam B., Sakano H., Wu T., Yu G. Ecker J.R. Science 302:842-846(2003). Research Topic: Others

Note: This product is for in vitro research use only