Bioactive

Catalase

Catalog # P5218 Size 2 g

Specification

Product Description	Lyophilized. Partially purified. Also active as a lipase.
Biological function	Catalase is an enzyme responsible for the degradation of hydrogen peroxide. It is a protective enzyme present in nearly all animal cells.
Host	Bovine
Theoretical MW (kDa)	240
Form	Lyophilized
Preparation Method	Native protein purified from Bovine Liver
Activity	>=3,000 units per mg protein. One Unit decomposes one micromole of hydrogen peroxide per minute at 25°C, pH 7.0.
Recommend Usage	Catalase Assay; Free radical research; Deoderization; Decomposition of residual hydrogen peroxide after bleaching woven and knitted cotton fabrics before drying; Cysteamine determination; Gluconic and glycolic acid production; Cleaning silicon and semiconductor plates.
Storage Instruction	Store at -20°C on dry atmosphere.

Applications

- Enzyme Activity

Gene Info — CAT

Entrez GeneID	531682
Protein Accession#	P00432

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Gene Name	CAT
Gene Alias	MGC128112
Gene Description	catalase
Gene Ontology	Hyperlink
Other Designations	-

Publication Reference

- Thiol based mechanism internalises interacting partners to outer dense fibers in sperm.

  Kadam K, Khole VV, Ghosalkar K, Jagtap D, Yarramala DS, Ramachandran B.

  Free Radical Biology & Medicine 2020 Feb; 148:170.

  Application: Func, IF, Rat, Recombinant protein, Sperm

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