

Native Bovine Catalase

Cat. No. CAT-1187B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NativeBovine CAT was expressed in Bovine Liver.
Species	Bovine
Source	Bovine Liver
Description	CAT is a common enzyme found innearly all living organisms which are exposed to oxygen, where it functionsto catalyze the decomposition of hydrogen peroxide into water and oxygen. CAThas one of the highest turnover rates for all enzymes; one molecule of CATcan convert millions of molecules of hydrogen peroxide to water and oxygenper second.
Form	Lyophilized.
Specific Activity	Typically >1000U/mg powder @ 25°C.
Storage	Storeat -20 °C. 3 years.
Pathways	Amyotrophic lateral sclerosis(ALS);Metabolic pathways; Metabolism; Metabolism of nucleotide; Peroxisome; Purinecatabolism; Tryptophan metabolism; removal of superoxide radicals

GENE INFORMATION

Gene Name	CAT catalase [Bos taurus]
------------------	----------------------------

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Official Symbol	CAT
Synonyms	CAT; catalase; MGC128112; EC1.11.1.6
Gene ID	531682
mRNA Refseq	NM_001035386
Protein Refseq	NP_001030463
UniProt ID	P00432
Chromosome Location	15
Function	NADP binding; catalase activity; hemebinding; metal ion binding; oxidoreductase activity; protein homodimerizationactivity

 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA