

# Catalase isozyme 2 (CAT2), Recombinant Protein

Cat RP10430

Size 0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg  
(Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

Species mg (Baculovirus)/ 1 mg (E-Coli)/ 0.1 mg (Mammalian-Cell)/ 1  
mg (Yeast)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)  
Zea mays (Mäize)

## Full Product Name

Recombinant Zea mays Catalase isozyme 2 (CAT2)

## Product Gene Name

CAT2 recombinant protein

## Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

## Sequence

MDPYKHRPSS AFNAPYWTTN SGAPVWNDS SLTVGARGPI LLEDYHCEKL ANFDRERIPE RVVHARGASA  
KGF FEVTHDI THLTCA DFLR APGVQTPVIV RFSTVIHERG SPETLRDPRG FAVKFY TREG NWDLVGNNFP  
VFFIRDGIKF PDMVHALKPN PRTHIQDNWR ILDFFSHHPE SLHMFSFLFD DVGIPADYRH MDGSGVHTYT  
LVSRA GTVTY VKFHWRPTCG VRSLMDDEAV RCGANHSHAT KDLTDAIAAG NFPEWTLYIQ TMDPEMEDRL  
DDLDP LDVTK TPEDTFPLQ PVGRLVLNRN IDNFFAENEQ LAFCPGLIVP GIYYSDDKLL QTRIFSYS DT  
QRHRLGPNYL LLPANAPKCA HHNNHYDGSM NFMHRHEEVD YFPSRYDAVR NAPRYPIPTA HIAGRREKTV  
ISKENNFQKP GERYAMDPA RQERFITRWV DALSDPRLTH EIRTIWLSNW SQADRSLGQK LASRLSAKPS M

## Sequence Positions

1-491, Full length protein

## Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

## Host

E Coli or Yeast or Baculovirus or Mammalian Cell

## Molecular Weight

56,466 Da

## Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week.  
Repeated freezing and thawing is not recommended.

## Protein Family

Catalase isozyme

## NCBI Accession #

P12365.3

## NCBI GI #

231689

## NCBI GenID

542230

## NCBI Official Full Name

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Size 0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg  
(Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

mg (Baculovirus)/ 1 mg (E-Coli)/ 0.1 mg (Mammalian-Cell)/ 1  
mg (Yeast)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

## NCBI Official Symbol

cat2

## NCBI Official Synonym Symbols

Ct2; Cat0; ncr(cat2); GRMZM2G090568

## NCBI Protein Information

catalase isozyme 2

## UniProt Gene Name

CAT2

## UniProt Protein Name

Catalase isozyme 2

## UniProt Primary Accession #

P12365

## UniProt Related Accession #

P12365

## UniProt Comments

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

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