



Recombinant Capsicum annuum Catalase (CAT)

Product Code	CSB-MP881920DQD
Abbreviation	CAT
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.
Uniprot No.	Q9M5L6
Product Type	Recombinant Protein
Immunogen Species	Capsicum annuum (Bell pepper)
Purity	>85% (SDS-PAGE)
Sequence	MDLSKYRPSS AYDSPFLTNN AGGPVYNNVS SLTVGPRGPV LLEDYHLIEK LATFVRERIP ERVVHARGAS AKGFFEVTHTD ISHLTCADFL RAPGVQTPVI CRFSTVVHER GSPESIRDIR GFAVKFYTRE GNFDLVGNNV PVFFNRDAKS FPDTIRALKP NPKSHIQENW RILDFFSFLP ESLHTFAFFY DDVCLPTDYR HMEGFGVHAY QLINKAGKAH YVKFHWKPTC GVKSMTEEEA IRVGGTNHSH ATKDLYDSIA AGNYPEWKLF IQIMNPEDVD KFDLFDPLDVT KTWPEDILPL MPVGRLVLNR NIDNFFAENE QLAFNPGHIV PGVYYSEDKL LQTRIFAYAD TQRHRIGPNY MQLPVNAPKC AHHNNHRDGA MNFMHRDEEV DYLPSRFDPC RPAEQYPIPS CVLTGRREKC VIPKENNFKQ AGERYRSWAP DRQDRYINKW VESLSDPRAT HEIRSIWISY LSQADKSCGQ KVASRLTVKP TM
Source	Mammalian cell
Target Names	CAT
Protein Names	Recommended name: Catalase EC= 1.11.1.6 Alternative name(s): CaCat1
Expression Region	1-492
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	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.