



# Recombinant Capsicum annuum Catalase (CAT)

<b>Product Code</b>	CSB-EP881920DQD-B
<b>Abbreviation</b>	CAT
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q9M5L6
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Capsicum annuum (Bell pepper)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MDLSKYRPSS AYDSPFLTTN 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 KDFDPLDVT KTWPEDILPL MPVGRLVLNR NIDNFFAENE QLAFNPGHIV PGVYYSEDKL LQTRIFAYAD TQRHRIGPNY MQLPVNAPKC AHHNNHRDGA MNFMRDEEV DYLPSRFDPC RPAEQYPIPS CVLTGRREKC VIPKENNFKQ AGERYRSWAP DRQDRYINKW VESLSDPRAT HEIRSIWISY LSQADKSCGQ KVASRLTVKP TM
<b>Source</b>	E.coli
<b>Target Names</b>	CAT
<b>Protein Names</b>	Recommended name: Catalase EC= 1.11.1.6 Alternative name(s): CaCat1
<b>Expression Region</b>	1-492
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.