



# Recombinant Catalase-peroxidase 2 (katG2)

<b>Product Code</b>	CSB-EP748608EOD-B
<b>Abbreviation</b>	katG2
<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>	Q7BSW8
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Escherichia coli O157:H7
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	ADKKETQ NFYYPETLDL TPLRLHSPES NPWGADFDYA TRFQQLDMEA LKKDIKDLLT TSQDWWPADY GHYGPFFIRM AWHGAGTYRT YDGRGGASGG QQRFEPLNSW PDNVNLDKAR RLLWPVKKKY GSSISWGDLM VLTGNVALES MGFKTLGFAG GREDDWESDL VYWGPDNKPL ADNRDKNGKL QKPLAATQMG LIYVNPEGPG GKPDPLASAK DIREAFSRMA MDDEETVALI AGGHTFGKAH GAASPEKCIG AGPDGAPVEE QGLGWKNKCG TGNGKYTITS GLEGAWSTSP TQFTMQYLKN LYKYEWELHK SPAGAYQWKP KKAANIVQDA HDPSVLHPLM MFTTDIALKV DPEYKKITTR FLNDPKAFEQ AFARAWFKLT HRDMGPAARY LGNEVPAESF IWQDPLPAAD YTMIDGKDIK SLKEQVMDLG IPASELIKTA WASASTFRVT DYRGGNNGAR IRLQPEINWE VNEPEKLLKV LASLTSLQRE FNKKQSDGKK VSLADLIVLS GNAAIEDAAR KAGVELEIPF TPGRTDASQE QTDVASFSVL EPTADGFRNY YSKSRSHISP VESLIDKASQ LDLTVPEMTA LLGGLRVMDI NTNNSSLGVF TDTPGVLDNK FFVNLLDMST RWSKADKEDT YNGFDRKTGA LKWKASSVDL IFSSNPELRA VAEVYASDDA RNKFIHDFVK SWNKVMNSDR FDLNNK
<b>Source</b>	E.coli
<b>Target Names</b>	katG2
<b>Protein Names</b>	Recommended name: Catalase-peroxidase 2 Short name= CP 2 EC= 1.11.1.21 Alternative name(s): Peroxidase/catalase 2
<b>Expression Region</b>	24-736
<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 of Mature 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.



## 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.