



Recombinant *Gossypium hirsutum* Catalase isozyme 1 (CAT1)

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| Product Code | CSB-YP323528GHB |
| 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. | P17598 |
| Product Type | Recombinant Protein |
| Immunogen Species | <i>Gossypium hirsutum</i> (Upland cotton) (<i>Gossypium mexicanum</i>) |
| Purity | >85% (SDS-PAGE) |
| Sequence | MDPYKHRPSS AFNSPFWTTN SGAPVWNNNS SLTVGPRGQY LLEDYHLVEK LANFDRERIP ERVVHARGAS AKGFFEVTHT ISHLTCADFL RAPGVQTPVI VRFSTVIHER GSPETLRDPR GFAVKFYTRE GNFDLVGNF PVFFIRDGMK FPDMVHALKP NPKSHIQENW RILDFFSHHP ESLHMFTFLF DDLGVPQDYR HMEGSGVNTY TLINKAGKAH YVKFHWKPTC GVKCLLEDEA IKVGGANHSH ATQDLYDSIA AGNYPEWKLF IQTIDPDHED KDFDPLDVT KTWPEDILPL QPVGRLVLNK NIDNFFAENE QLAFCPAIVV PGIYYSDDKL LQTRIFSYSYD TQRHRLGPNY LQLPANAPKC AHHNNHHEGF MNFMHRDEEI NYFPSRYDPV RHAEMFPIPP AVCTGRREKC IIEKENNFKQ PGERYSWAA DRQERFICRW VDALSDPRVT HEIRSIWISY WSQADKSVGQ KLASLLNVRP SI |
| Source | Yeast |
| Target Names | CAT1 |
| Protein Names | Recommended name: Catalase isozyme 1 EC= 1.11.1.6 |
| 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. |