



Recombinant *Oryza sativa* subsp. japonica Glutamate--cysteine ligase B, chloroplastic (GSH1-2)

Product Code	CSB-EP747754OFG-B
Abbreviation	GSH1-2
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.	Q6Z3A3
Product Type	Recombinant Protein
Immunogen Species	<i>Oryza sativa</i> subsp. japonica (Rice)
Purity	>85% (SDS-PAGE)
Sequence	TAAGRGRGRGGAVAAS PPTEEAVQMT EPLTKEDLMA YLVSGCKPKE NWRIGTEHEK FGFEVDTLRP IKYDQIRDIL NGLAERFDWD KIVEENNVIG LKQKGQSISL EPGGQFELSG APLETLHQTC AEVNSHLYQV KAVGEEMGIG FLGIGFQPKW ALSDIPIMPK GRYEIMRNYM PKVGSGLGLDM MFRTCTVQVN LDFSSEQDMI RKFRTGLALQ PIATAIFANS PFKEGKPNGY LSLRSHIWD TDNNRSGMLP FVFDDSGFE RYVDYALDVP MYFVYRNKKY IDCTGMSFRD FMVGKLPQAP GELPTLNDWE NHLTTIFPEV RLKRYLEMARG ADGGPWRRLC ALPAFWVGLL YDEESLQSIG DMTSDWTNEE REMLRRKVPV TGLKTPFRDG YVRDLAEEIL QLSKNGLERR GYKEVGFLRE VDAVISSGVT PAERLLNLYE TKWQRSVDPV FQELLY
Source	E.coli
Target Names	GSH1-2
Protein Names	Recommended name: Glutamate--cysteine ligase B, chloroplastic EC= 6.3.2.2 Alternative name(s): Gamma-ECS B Short name= GCS B Gamma-glutamylcysteine synthetase B
Expression Region	35-496
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 of Mature 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.