



Recombinant *Nitrosomonas europaea* Glutamate-1-semialdehyde 2,1-aminomutase (hemL)

Product Code	CSB-EP767703NHH
Abbreviation	hemL
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.	Q82UQ8
Product Type	Recombinant Protein
Immunogen Species	<i>Nitrosomonas europaea</i> (strain ATCC 19718 / CIP 103999 / KCTC 2705 / NBRC 14298)
Purity	>85% (SDS-PAGE)
Sequence	MTITNQQLF E RSRQYIPGGV NSPVRAF KSV GGTPVFFQRG QGAYFWDVEG KSYIDYVGSW GPLILGHAHP DVVRAVQIAA GHGTSFGAPT AAELEIAELL CROLLPSLEMV RLVSSGTEAG MSAIRLARGY TGRNRIIKFE GCYHGHDDAL LVKAGSGALT FGHPSSAGVP AETAGHTLVL NYNDVAGVEE TFSKMGTEIA AVIVEPVAGN MNLIKATSQF LETLRTLCTK HGSLILDEV MTGFRVGL E C AQGLYG I KPD LTILGKVIGG GLPMAAFGGR RDVMECLAPL GSVYQAGT L S GNPVAVAAGL ETLHQIQVPG FFDKLTST MTR KLTEGLTAVA AKHSVAFCAQ AVGGMFGLYF RKSPPE SFAE VMESDREAFN HFFHAMLKEG VYFAPSAFEA GFVSAHSNE EIDKTLAVAD RIFGQGM RRT EKATL
Source	E.coli
Target Names	hemL
Protein Names	Recommended name: Glutamate-1-semialdehyde 2,1-aminomutase Short name= GSA EC= 5.4.3.8 Alternative name(s): Glutamate-1-semialdehyde aminotransferase Short name= GSA-AT
Expression Region	1-435
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.