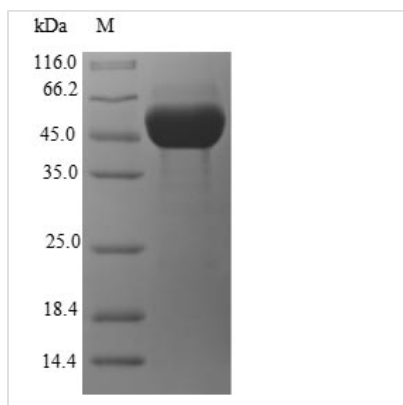




Recombinant Escherichia coli

Glyoxylate/hydroxypyruvate reductase A (ghrA)

Product Code	CSB-EP482379ENM
Relevance	Catalyzes the NADPH-dependent reduction of glyoxylate and hydroxypyruvate into glycolate and glycerate, respectively.
Abbreviation	Recombinant E.coli ghrA protein
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.	B7LFE3
Alias	2-ketoacid reductase
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain 55989 / EAEC)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MDIIFYHPTFDTQWWIEALRKAIPQARVRAWKSGDNDSADYALVWHPPVEML AGRDLKAVFALGAGVDSILSKLQAHPEMLNPSVPLFRLEDTGGMGEQMQEYAV SQVLHWFRRFDDYRIQQNSSHWQPLPEYHREDFTIGILGAGVLGSKVAQSLQ TWRFP LRCWSRTRKSWPGVQSFAGREELSAFLSQCRVLINLLPNTPETVGIIN QQLLEKLPDGAYLLNLARGVHVVEDDLLAALDSGKVKGAMLDVFNREPLPPEN PLWQHPRVTITPHVAAITRPAEAVEYISRTIAQLEKGERVCGQVDRARGY
Research Area	others
Source	E.coli
Target Names	ghrA
Protein Names	Recommended name: Glyoxylate/hydroxypyruvate reductase A EC= 1.1.1.79 EC= 1.1.1.81 Alternative name(s): 2-ketoacid reductase
Expression Region	1-312aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	51.4kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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.