

GhrA Protein, E.coli (His-SUMO)

Cat. No.:	HY-P71523
Synonyms:	ghrA; EC55989_1146Glyoxylate/hydroxypyruvate reductase A; EC 1.1.1.79; EC 1.1.1.81; 2-ketoacid reductase
Species:	E.coli
Source:	E. coli
Accession:	B7LFE3 (1M-312Y)
Gene ID:	/
Molecular Weight:	Approximately 51.4 kDa

PROPERTIES

AA Sequence	<pre> MD I I F Y H P T F D T Q W W I E A L R K A I P Q A R V R A W K S G D N D S A D Y A L V W H P P V E M L A G R D L K A V F A L G A G V D S I L S K L Q A H P E M L N P S V P L F R L E D T G M G E Q M Q E Y A V S Q V L H W F R R F D D Y R I Q Q N S S H W Q P L P E Y H R E D F T I G I L G A G V L G S K V A Q S L Q T W R F P L R C W S R T R K S W P G V Q S F A G R E E L S A F L S Q C R V L I N L L P N T P E T V G I I N Q Q L L E K L P D G A Y L L N L A R G V H V V E D D L L A A L D S G K V K G A M L D V F N R E P L P P E N P L W Q H P R V T I T P H V A A I T R P A E A V E Y I S R T I A Q L E K G E R V C G Q V D R A R G Y </pre>
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	GhrA is an enzyme involved in cellular metabolism, and it plays a crucial role in catalyzing the NADPH-dependent reduction of glyoxylate to glycolate and hydroxypyruvate to glycerate. This enzymatic activity is instrumental in the conversion of important metabolites, contributing to metabolic pathways associated with glyoxylate detoxification and the maintenance
-------------------	--

of cellular homeostasis.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA