

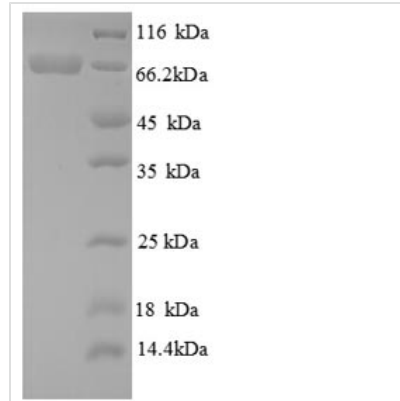


Recombinant *Aspergillus niger* Glucose oxidase (gox), partial

Product Code	CSB-EP319481DOZ
Relevance	This enzyme is widely applied for the determination of glucose in body fluids and in removing residual glucose or oxygen from foods and beverages. Furthermore, glucose oxidase-producing molds such as aspergillus and penicillium species are used for the biological production of gluconic acid.
Abbreviation	Recombinant <i>Aspergillus niger</i> gox protein, partial
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.	P13006
Alias	Beta-D-glucose:oxygen 1-oxido-reductase Glucose oxyhydrase ;GOD
Product Type	Recombinant Protein
Immunogen Species	<i>Aspergillus niger</i>
Purity	≥ 85% as determined by SDS-PAGE.
Sequence	SNGIEASLLTDPKDVSGRTVDYIIAGGGTLTGLTTAARLTENPNISVLVIESGSYE SDRGPIIEDLNAYGDFGSSVDHAYETVELATNNQTALIRSGNGLGGSTLVNGG TWTRPHKAQVDSWETVFGNEGWNWDNVAAYSLQAERARAPNAKQIAAGHY FNASCHGVNGTVHAGPRDTGDDYSPIVKALMSAVEDRGVPTKKDFGCGDPH GVSMFPNTLHEDQVRSDAAREWLLPNYQRPNLQVLTGQYVGVKVLSSQNGTT PRAVGVEFGTHKGNTNHNVYAKHEVLLAAGSAVSPTILEYSGIGMKSILEPLGID TVVDLPVGLNLQDQTTATVRSRITSAGAGQGQAAWFATFNETFGDYSEKAHE LLNTKLEQWAEAEAVARGGFHNTTALLIQYENYRDWIVNHNVAISELFLDTAGV ASFDVVDLLPFTRGYVHILDKDPYLHFAFYDPQYFLNELDLLGQAAATQLARNI SNSGAMQTYFAGETIPGDNLAYDADLSAWTEYIPYHFRPNYHGVGTCSMMPK EMGGVVDNAARVYGVQGLRVIDGSIPPTQMSSHVMTVFYAMALKISDAILEDY ASM
Research Area	Others
Source	<i>E. coli</i>
Target Names	gox
Protein Names	Beta-D-glucose:oxygen 1-oxido-reductase Glucose oxyhydrase GOD
Expression Region	23-604aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged
Mol. Weight	68.6 kDa

**Protein Length**

Partial

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.