

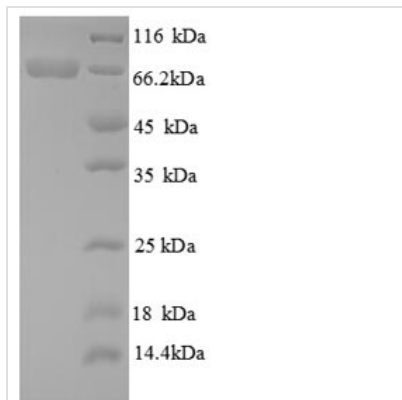


# Recombinant Aspergillus niger Glucose oxidase (gox), partial

<b>Product Code</b>	CSB-EP319481DOZ
<b>Relevance</b>	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.
<b>Abbreviation</b>	Recombinant Aspergillus niger gox protein, partial
<b>Storage</b>	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.
<b>Uniprot No.</b>	P13006
<b>Alias</b>	Beta-D-glucose:oxygen 1-oxido-reductaseGlucose oxyhydrase ;GOD
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Aspergillus niger
<b>Purity</b>	Greater than 85% as determined by SDS-PAGE.
<b>Sequence</b>	SNGIEASLLTDPKDVSGRTVDYIIAGGGTLTGLTTAARLTENPNISVLVIESGSYE SDRGPIIEDLNAYGDI FGSSVDHAYETVELATNNQTALIRSGNGLGGSTLVNGG TWTRPHKAQVDSWETVFGNEGWNWDNVAAYSLQAERARAPNAKQIAAGHY FNASCHGVNGTVHAGPRDTGDDYSPIVKALMSAVEDRGVPTKKDFGCGDPH GVSMFPNTLHEDQVRSDAAREWLLPNYQRPNLQVLTGQYVGKVLLSQNGTT PRAVGVEFGTHKGNTNHNVYAKHEVLLAAGSAVSPTILEYSGIGMKSILEPLGID TVVDLPVGLNLQDQTTATVRSRITSAGAGQGQAAWFATFNETFGDYSEKAHE LLNTKLEQWAEAEAVARGGFHNTTALLIQYENYRDWIVNHNHNVAYSELFLDTAGV ASFDVWDL LPFTRGYVHILDKDPYLH HFAYDPQYFLNELDLLGQAAATQLARNI SNSGAMQTYFAGETIPGDNLAYDADLSAWTEYIPYHFRPNYHGVGTCSMMPK EMGGVVDNAARVYGVQGLRVIDGSIPPTQMSSHVMTVFYAMALKISDAILEDY ASM
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Target Names</b>	gox
<b>Protein Names</b>	Beta-D-glucose:oxygen 1-oxido-reductase Glucose oxyhydrase GOD
<b>Expression Region</b>	23-604aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 10xHis-tagged
<b>Mol. Weight</b>	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**

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