

Glucose oxidase Recombinant Protein | gox recombinant protein

Recombinant Aspergillus niger Glucose oxidase

CATALOG # AAA115104	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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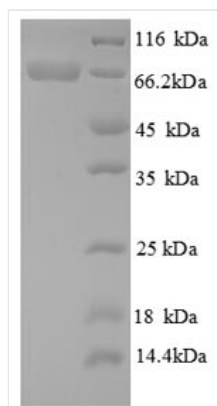
PRODUCT SYNONYMS

Glucose oxidase; Recombinant Aspergillus niger Glucose oxidase; Beta-D-glucose:oxygen 1-oxido-reductase; Glucose oxyhydrase; GOD; gox recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	23-604aaaa; Partial
Sequence	SNGIEASLLT DPKDVSGRTV DYIIAGGGLT GLTTAARLTE NPNISVLVIE SGSYESDRGP IIEDLNAYGD IFGSSVDHAY ETVELATNNQ TALIRSGNGL GGSTLVNGGT WTRPHKAQVD SWETVFGNEG WNWDNVAAYS LQAERARAPN AKQIAAGHYF NASCHGVNGT VHAGPRDTGD DYSPIVKALM SAVEDRGVPT KKDFGCGDPH GVSMFPNTLH EDQVRSDAAR EWLLPNYQRP NLQVLTGQYV GKVLLSQNGT TPRAVGVEFG THKGNTHNVY AKHEVLLAAG SAVSPTILEY SGIGMKSILE PLGIDTVVDL PVGLNLQDQT TATVRSRITS AGAGQGQAAW FATFNETFGD YSEKAHELLN TKLEQWAEAA VARGGFHNTT ALLIQYENYR DWIVNHNVA SELFLDTAGV ASFDVWDLFP FTRGYVHILD KDPYLHHFAY DPQYFLNELD LLGQAAATQL ARNISNSGAM QTYFAGETIP GDNLAYDADL SAWTEYIPYH FRPNYHGVGT CSMMPKEMGG VVDNAARVYG VQGLRVIDGS IPPTQMSSHV MTVFYAMALK ISDAILEDYA SM
Production Note	Special Offer: The Baculovirus, E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. Baculovirus, E Coli host-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The Baculovirus, E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select Baculovirus, E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

References	Cloning and DNA sequence analysis of the glucose oxidase gene from Aspergillus niger NRRL-3.Kriechbaum M., Heilmann H.J., Wientjes F.J., Hahn M., Jany K.-D., Gassen H.G., Sharif F., Alaeddinoglu G.FEBS Lett. 255:63-66(1989) Glucose oxidase from Aspergillus niger. Cloning, gene sequence, secretion from Saccharomyces cerevisiae and kinetic analysis of a yeast-derived enzyme.Frederick K.R., Tung J., Emerick R.S., Masiarz F.R., Chamberlain S.H., Vasavada A., Rosenberg S., Chakraborty S., Schopfer L.M., Massey V.J. Biol. Chem. 265:3793-3802(1990) Expression of the Aspergillus niger glucose oxidase gene in A. niger, A. nidulans and Saccharomyces cerevisiae.Whittington H., Kerry-Williams S., Bidgood K., Dodsworth N., Peberdy J., Dobson M., Hinchliffe E., Ballance D.J.Curr. Genet. 18:531-536(1990) Crystal structure of glucose oxidase from Aspergillus niger refined at 2.3-A resolution.Hecht H.-J., Kalisz H.M., Hendle J., Schmid R.D., Schomburg D.J. Mol. Biol. 229:153-172(1993) 1.8 and 1.9-A resolution structures of the Penicillium amagasakiense and Aspergillus niger glucose oxidases as a basis for modelling substrate complexes.Wohlfahrt G., Witt S., Hendle J., Schomburg D., Kalisz H.M., Hecht H.-J.Acta Crystallogr. D 55:969-977(1999)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	121529
UniProt Accession #	P13006
Molecular Weight	65.6 kDa
NCBI Official Full Name	Glucose oxidase
UniProt Protein Name	Glucose oxidase
UniProt Gene Name	gox
UniProt Synonym Gene Names	GOD
UniProt Entry Name	GOX_ASPNG

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/gox-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/115104>