

Recombinant Full Length *Gluconobacter Oxydans* Quinoprotein Glucose Dehydrogenase(Gdh) Protein, His-Tagged

Cat. No. RFL26447GF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length <i>Gluconobacter oxydans</i> Quinoprotein glucose dehydrogenase(gdh) Protein (P27175) (34-808aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	<i>Gluconobacter oxydans</i>
Source	<i>E.coli</i>
ProteinLength	Full Length of Mature Protein (34-808)
Form	Lyophilized powder
AA Sequence	AIGGPLYYVILGLALLATAFLSFRRNPAALYLFVVVFGTVIWELTVVGLDIWALIPRSD IVILGIWLLLPFVSRQIGGTRTTVLPLAGAVGVAVLALFASLFTDPHDISGDLPTQIAN ASPADPDNPASEWHAYGRTQAGDRWSPLNQINASNVSNLKVAWHIHTKDMMS NDPGEA TNEATPIEFNNTLYMCSLHQKLFVDGATGNVKWVYDPKLQINPGFQHLT CRGVSFHETP ANATDSDGNPAPTDCAKRIILPVNDGRLVEVDADTGKTCSGFGNG EIDLRVPNQPYTTP GQYEPTSPPVITDKLIANSITDNGSVKQASGATQAFDVYTGK RVWVFDASNPDPNQLP DDSHPVFHPNSPNSWIVSSYDRNLNLVYIPMGVGTDPDQW GGDRTKDSERFAPGIVALNAD TGKLAWFYQTVHHDLWMDVPSQPSLVDVTQKD GTLVPAIYAPTKTGDIFVLDRTGKEI VPAPETPVPQGAAPGDHTSPTQPMSQLTLR PKNPLNDSDIWGGTIFDQMFCSTYFHTLRY EGPFTPPSLKGSIFPGDLGMFEWGGL

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AVDPQRQVAFANPISLPFVSQLVPRGPGNPLWP EKDAKGTGGETGLQHNYGIPYA
VNLHPFLDPVLLPFGIKMPCRTTPWGYVAGIDLKTNKV VWQHRNGTLRDSMYGSSL
PIPLPPIKIGVPSLGGPLSTAGNLGFLTASMDYYIRAYNLTT GKVLWQDRLPAGAQAT
PITYAINGKQYIVTYAGGHNSFPTRMGDDIIAYALPDQK

Purity	Greater than 90% as determined by SDS-PAGE.
Applications	SDS-PAGE
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Storage Buffer	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
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.

GENE INFORMATION

Gene Name	gdh
Synonyms	gdh; GOX0265; Quinoprotein glucose dehydrogenase; Glucose dehydrogenase [pyrroloquinoline-quinone]
UniProt ID	P27175

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