

Recombinant Full Length Escherichia Coli Quinoprotein Glucose Dehydrogenase(Gcd) Protein, His-Tagged

Cat. No. RFL15454EF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Escherichia coli Quinoprotein glucose dehydrogenase(gcd) Protein (P15877) (1-796aa), fused to N-terminal His tag, was expressed in E. coli.
Species	E.coli
Source	E.coli
ProteinLength	Full Length (1-796)
Form	Lyophilized powder
AA Sequence	MAINNTGSRLLVTLTALFAALCGLYLLIGGGWLVAIGGSWYYPIAGLVMLGVAWML WRS KRAALWLYAALLLGTMWGVWEVGFDFWALTTPRSDILVFFGIWLILPFVWRR VIPASGA VAALVALLISGGILTWAGFNDPQEINGTLSADATPAEAI SPVADQDWPAY GRNQEGQRF SPLKQINADNVHNLKEAWVFRTGDVKQPNDPGEITNEVTPIKVGDTL YLCTAHQRLFALD AASGKEKWHYDPELKTNESFQHVTCTRGVSYHEAKAETASPEV MADCPRRILPVNDGRLI AINAENGKLCETFANKGVNLQSNMPDTKPGLYEPTSPPI ITDKTIVMAGSVTDNFSTRE TSGVIRGFDVNTGELLWAFDPGAKDPNAIPSDEHTFT FNSPNSWAPAAAYDAKLDLVYLP M GVTPDIWGGNRTPEQERYASSILALNATTGKL AWSYQTVHHDLDWMDLPAQPTLADITV NGQKVPVIYAPAKTGNIFVLD RRNGELVV PAPEKPVPQGAAGDYVTPTQPFSELSFRPT KDLSGADMWGATMFDQLVCRVMF HQMRYEGIFTPPSEQGTLVFPGNLGMFEWGGISVDPN REVAIANPMALPFVSKLIP RGPGNPMEQPKDAKGTGTESGIQPQYGVYPYGVTLNPFLSPF GLPCKQPAWGYISA

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LDLKTNEVVWKKRIGTPQDSMPFPMPVPVFPNMGMPLGGPISTAG NVLFIAATAD
 NYLRAYNMSNGEKLWQGRLPAGGQATPMTYEVNGKQYVVISAGGHGSFGT KMGD
 YIVAYALPDDVK

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 gcd

Synonyms gcd; b0124; JW0120; Quinoprotein glucose dehydrogenase; Glucose dehydrogenase [pyrroloquinoline-quinone]

UniProt ID [P15877](#)

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