

Recombinant Full Length *Geobacillus Thermodenitrificans* Cobalamin Synthase(Cobs) Protein, His-Tagged

Cat. No. RFL34GF Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length <i>Geobacillus thermodenitrificans</i> Cobalamin synthase(cobS) Protein (A4IQD8) (1-262aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	<i>Geobacillus thermodenitrificans</i>
Source	<i>E. coli</i>
ProteinLength	Full Length (1-262)
Form	Lyophilized powder
AA Sequence	MRQMWNGWLLALQLFTVPIRRSIEWNDIHVRWLVRSMPLAGAAIGALAAGTYALCS MFS FGTPFLFLLWLGWLAGGLHADGWMDVSDAFFSYRDAKRRQQIMSDSRV GAFVLSL ACLLSFRWFLYETIKAEIPPALFVAIPLLSRSGAAWLLSVGKLAKSTGM AASVREYISW RDAVWALVLAFLALSLLL VFGGVPVWTS AALAVAMALLALGAKPWV EKQFGGVTGDVLGA LIEGGETLLWGVVWLLHSSAMG
Purity	Greater than 90% as determined by 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.

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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 cobS

Synonyms cobS; GTNG_2193; Adenosylcobinamide-GDP ribazoletransferase; Cobalamin synthase; Cobalamin-5'-phosphate synthase

UniProt ID [A4IQD8](#)

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