

Recombinant Full Length Rhizobium Meliloti Adenylate Cyclase 1(Cya1) Protein, His-Tagged

Cat. No. RFL16483RF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Rhizobium meliloti Adenylate cyclase 1(cya1) Protein (P19485) (1-665aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Rhizobium Meliloti
Source	E.coli
ProteinLength	Full Length (1-665)
Form	Lyophilized powder
AA Sequence	MLQRSESGFKDIESMQDSNADKPSRTWTSSLRSLGLVMVAMLIVVSATLVGLDYR RARS AAIAGAEDNMDAFVGRVLVDRLGALSGDTSALVSLVASVANSFLVPPPERMND KVAVLREG IARSPHIDGVYVGYPGSAFFHVVDLDSAAWRMALDAPRGAAIAVRSME RNDQGKPFDRIL FLDASGLQFAERHAASNGFDPRTWPYRAAVNGKAPVAIGPYE MATTGNLGMTISQAHRG NPQIVIGADVLDITDFLSRERLTDDSVSFVLDAVGRPII HSDSTMMRRIMASKGRDRP VATPQEDGLIESIRRNPPAGKATLVEVGNRTYLVTV APLESALLLSGHRVVAAPLDEL LAAANETLVQGLAVSGAVVVAVLLALVLAHLITK SLNQLTDSANRLQDLDFATPIDVSS HVAEISTLNGAMNRARDAIFTFALYVPKELVRK GIESGHFGGRAAWRQEVMTAMFTDIYDF TTISEGRSPEEVVAMLSEYFDLFSEVVAA HDGTIIQFHGDSVFAMWNAPVADTRHAEHAC RCALAVEERLEAFNSAQRASGLPEF RTRFGIHTGTAVVGSVGAKERLQYTAMGDTVNVAS RLEGMNKDYGTSVLASGAVV AQCKDMVKFRPLGTAKAKGRSTALDIYEVGVVRAVNTTE AGTAA

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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	cya1
Synonyms	cya1; cyaA; R00259; SMc00339; Adenylate cyclase 1; ATP pyrophosphate-lyase 1; Adenylyl cyclase 1
UniProt ID	P19485