

Recombinant Full Length Rhodobacter Capsulatus C4-Dicarboxylate Transport Sensor Protein Dcts(Dcts) Protein, His-Tagged

Cat. No. RFL17262RF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Rhodobacter capsulatus C4-dicarboxylate transport sensor protein dctS(dctS) Protein (P37739) (1-657aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Rhodobacter capsulatus
Source	E.coli
ProteinLength	Full Length (1-657)
Form	Lyophilized powder
AA Sequence	MRDTTGGPAGAEVWTVPGLLGARKLDLLALIPLVAIVALMTLVGALLFAVAQSDANR ARA KLATDALWVEQTLRFQMAVDEDVLVRLALDASAGASQQALSARARLHLAANP ETLGLRWY DATGRLIAAVPEGPGPAEALVRQLLASGALPPRPVYGPVRDGRVVLA ERVSASGGVVVA TVSLPMMLERHLPWWIAEQYGVRI SDTSGVLAERARRPIAAAAP RHGISFDPPLAGTTLE IMAYDAPDAFGNAALLAIGALSVFAVLAMVVLHRNALRRR MAEDRLRAEMAFRRAMEES LTVGMRAKDL SGRILYVNGAFCKLVGLAAEDLVGRA QPMPYWAPDFLEETLARQRQLIEG QPVPQAFETRFRRS DGSEIEVQVFEAPLIDAG GRHRGWMGSVIDITQAKQAARLARAQDE SLARTGRLVTLGEMASTLAHELNQPLA AIASYAAGGLNLF DQPEPNLTMLRQAFEKMG AQ ARRAGLVIRRVQDFVKKRTPQLA ALDLSEVLAEALSITAPVAREHRVKLASLIEGRIPGV QADRILIEQVLVNLIRNGVEAM

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	AEGPRTGDDLTVRLARAGAAVTIEVMDRGPGISDAVAA SLFDPFTSTKSEGMGMGL NICRSIVEMHHGSLSHGPRAGGGTVFTVTLVPVQEGAPA
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	dctS
Synonyms	dctS; C4-dicarboxylate transport sensor protein DctS
UniProt ID	P37739