

Recombinant Escherichia coli DGCQ Protein (381-564 aa), GST-tagged

Cat. No. DGCQ-1221E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Escherichia coli (strain K12) DGCQ Protein (381-564 aa) is produced by E. coli expression system. This protein is fused with a GST tag at the N-terminal. Protein Description: Partial.
Species	E.coli
Source	E.coli
ProteinLength	381-564 aa
Description	Involved in the regulation of cellulose production. Cyclic-di-GMP is a second messenger which controls cell surface-associated traits in bacteria.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	47.5 kDa
AA Sequence	RRMVSNNMYVLQSSLQWQAWHDTLTRLNRYGALFEKARPLAKLCQTHQHPFSVIQV DLDFHFKAINDRFGHQAGDRVLSHAAGLISSSLRAQDVAGRVGGEEFCVILPGASLTE AAEVAERIRLKLNEKEMLIKSTTIRISASLGVSSEETGDYDFEQLQSLADRRRLYLAK QAGRNRVFASDNA
Purity	> 90% as determined by SDS-PAGE.

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Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

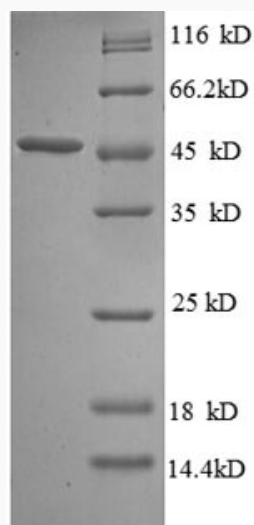
GENE INFORMATION

Gene Name	dgcQ putative diguanylate cyclase DgcQ [Escherichia coli str. K-12 substr. MG1655]
Official Symbol	DGCQ
Synonyms	ECK1954; yedQ;
Gene ID	946471
Protein Refseq	NP_416465
UniProt ID	P76330

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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