

Recombinant Escherichia coli DCYD Protein (2-328 aa), His-tagged

Cat. No. DCYD-1306E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Escherichia coli (strain K12) DCYD Protein (2-328 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Species	E.coli
Source	E.coli
ProteinLength	2-328 aa
Description	Catalyzes the alpha,beta-elimination reaction of D-cysteine and of several D-cysteine derivatives. It could be a defense mechanism against D-cysteine. Can also catalyze the degradation of 3-chloro-D-alanine.
Form	Tris-based buffer,50% glycerol
Molecular Mass	39.0 kDa
AA Sequence	PLHNLTRFPRLEFIGAPTPLEYLPRFSDYLGREIFIKRDDVTPMAMGGNKLKLEFLA ADALREGADTLITAGAIQSNHVRQTAAVAAKLGLHCVALLENPIGTTAENYLTNGNRL LLDLFNTQIEMCDALDTPNAQLEELATRVEAQGFRPYVIPVGGSNALGALGYVESAL EIAQQCEGAVNISSVVVASGSAGTHAGLAVGLEHLMPESELIGVTVSRSVADQLPKV VNLQQAIAKELELTASAEILLWDDYFAPGYGVPNDEGMEAVKLLARLEGILLDPVYTG KAMAGLIDGISQKRFKDEGPILFIHTGGAPALFAYHPHV

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Purity	> 90% as determined by SDS-PAGE.
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.

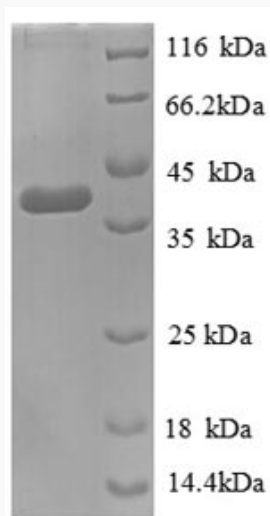
GENE INFORMATION

Gene Name	dcyD D-cysteine desulfhydrase [Escherichia coli str. K-12 substr. MG1655]
Official Symbol	DCYD
Synonyms	ECK1918; yedO;
Gene ID	946831
Protein Refseq	NP_416429
UniProt ID	P76316

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

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