

Recombinant Full Length Escherichia phage p1 cyclization recombinase Protein, His tagged

Cat. No. cre-119E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Recombinase cre protein (P06956) (Met 1-Asp 343) with a His tag at the C-terminus was expressed in E. coli.
Species	Escherichia phage p1
Source	E.coli
ProteinLength	1-343aa
Description	Catalyzes site-specific recombination between two 34-base-pair LOXP sites. Its role is to maintain the phage genome as a monomeric unit-copy plasmid in the lysogenic state.
Tag	C-His
Molecular Mass	40.2 kDa
Endotoxin	Less than 1.0 EU/μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.

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Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
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Reconstitution	Reconstitute at 250 µg/mL in sterile water.
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GENE INFORMATION

Gene Name	cre cyclization recombinase [Escherichia phage P1]
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Official Symbol	cre
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Synonyms	cre; cyclization recombinase; site-specific integrase; 24 pct identical to 351 aa integrase-like protein of Pseudomonas sp. in GenBank Accession Number CAA67462; similar to other bacterial integrases-recombinases
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Gene ID	2777477
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Protein Refseq	YP_006472.1
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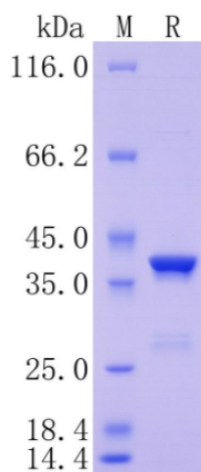
UniProt ID	P06956
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**Protein on SDS-
PAGE under
reducing (R)
condition.**



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