Recombinant enzyme Cre

Cat. No. Cre-01 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	There are several ways of inducing recombination in the CRE-LOXP system, which are based on the interaction of the Cre recombinase with the loxP site. When the loxP site is present in the gene and the Cre recombinase is present, the Cre recombinase will bind to the reverse repeat region at both ends of the loxP site to form a dimer. This dimer combines with other loxP site dimers to form a tetramer. Subsequently, the DNA sequence between loxP sites is cut by Cre recombinase, and the incision is reconnected by DNA ligase. The result of DNA recombination mainly depends on the direction and location of loxP site.
Source	E.coli
ProteinLength	343 aa
Molecular Mass	38 kDa
AA Sequence	5"ATAACTTCGTATAGCATACATTATACGAAGTTAT3"or 3"TATTGAAGCATATCGTATGTAATATGCTTCAATA5"

GENE INFORMATION

Gene Name	cre creatininase [Halobacterium salinarum R1]
Official Symbol	Cre
Synonyms	CRE; creatininase; EC 3.5.2.10;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Gene ID	5953540

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