

Recombinant Bacteriophage P1 Cre recombinase protein

ab134845

1 [References](#) 1 [Image](#)

描述	
产品名称	重组噬菌体P1 Cre recombinase蛋白
纯度	> 90 % SDS-PAGE. ab134845 is chromatographically purified.
表达系统	Escherichia coli
Accession	<u>P06956</u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Bacteriophage P1
序列	MASMTGGQQM GRGHHHHHHG NLYFQGGEFP PKKKRKVSNL LTVHQNLPAL PVDATSDEV KNLMDMFRDR QAFSEHTWKM LLSVCRSWAA WCKLNNRKWF PAEPEDVRDY LLYLQARGLA VKTIQQHLGQ LNMLHRRSGL PRPSDSNAVS LVMRRIRKEN VDAGERAKQA LAFERTDFDQ VRSLMENSDR CQDIRNLAFL GIAYNTLLRI AEIARIRVKD ISRTDGGRML IHIGRTKTLV STAGVEKALS LGVTKLVERW ISVSGVADDP NNYLFCRVRK NGVAAPSATS QLSTRALEGI FEATHRLIYG AKDDSGQRYL AWSGHSARVG AARDMARAGV SIPEIMQAGG WTNVNIVMNY IRNLDSETGA MVRILLEDGDL EESGGGGSPG RRRRRRRRRR R
氨基酸	2 to 343
额外的序列信息	N-terminal T7 tag/His/TEV cleavage site tag and C-terminal 11R tag.

技术指标

Our **Abpromise guarantee** covers the use of **ab134845** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Functional Studies
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	SDS-PAGE
形式	Liquid
补充说明	<p>Applications:</p> <ol style="list-style-type: none"> 1. Protein intracellular transduction for in vitro Cre-loxP recombination. 2. Negative control for 11R-Tag human transcription factor mediated cell differentiation assay in vitro. <p>Functional Assay: Mix 1µg Cre-11R protein with 2ul ProFectin™ by following ProFectin™ manufacture suggested protocol, and incubate transfection mixture on 0.25 x10⁶ 293-LoxP-eGFP cell line / well (6 well plate) for 30 min in serum free medium, will achieve > 35% transduction efficiency. (Positive for GFP cells).</p>

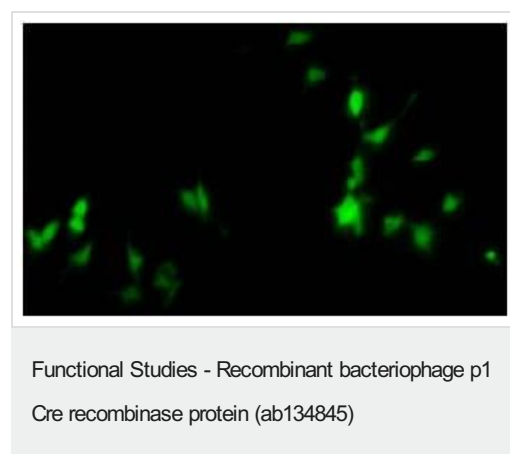
制备和贮存

稳定性和存储	<p>Shipped at 4°C. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle.</p> <p>pH: 8.00</p> <p>Constituents: 0.02% DTT, 0.32% Tris HCl, 0.58% Sodium chloride, 0.08% Potassium chloride, 10% Glycerol</p>
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常规信息

相关性	<p>Cre-recombinase is a 38 kDa DNA recombinase derived from the P1 bacteriophage. It is highly specific for a 34 bp DNA sequence (loxP) found in P1 DNA. It 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. It is homotetramer when bound to DNA and belongs to the "phage" integrase family.</p>
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图片



Analysis of 0.25 x10⁶ 293-LoxP-eGFP report cell line with 1 µg ab134845. Cells were cultivated overnight before viewing GFP positive cells.

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