

Recombinant *S. cerevisiae* GAL4 protein ab81879

★★★★★ [1 Abreviews](#)

描述

产品名称	重组 <i>S. cerevisiae</i> GAL4蛋白
纯度	> 95 % SDS-PAGE. ab81879 is isolated from an <i>E. coli</i> strain that carries the coding sequence of the fused protein under the control of a T7 promoter.
表达系统	<i>Escherichia coli</i>
蛋白长度	Protein fragment
无动物成分	No
性质	Recombinant
种属	<i>Saccharomyces cerevisiae</i>
氨基酸	1 to 147
描述	重组 <i>S. cerevisiae</i> GAL4蛋白

技术指标

Our **[Abpromise guarantee](#)** covers the use of **ab81879** in the following tested applications.

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

应用	SDS-PAGE Functional Studies
形式	Liquid
补充说明	Transcriptional activity is greatly stimulated by promoter-specific activator proteins. These are modular proteins, consisting of a DNA-binding domain and a regulatory (activator) domain. The GAL4 protein of yeast activates the transcription of several genes involved in galactose metabolism. This event requires that GAL4 bind to upstream activation sites with the consensus sequence 5'-CGGN5(T/A)N5CCG-3'. A fragment of the GAL4 protein, comprising amino acids 1-147, binds DNA but fails to activate transcription. Linking of an acidic synthetic peptide, forming an {alpha}-helix, to this GAL4 DNA-binding domain, results in a protein with an amphipathic structure. This fusion protein is able to activate transcription of a gene, bearing the GAL4 binding sites in an in vitro transcription system by targeting TFIIIB in the pre-initiation complex.

制备和贮存

稳定性和存储

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 7.9

Constituents: 0.75% Potassium chloride, 0.0154% DTT, 0.316% Tris HCl, 0.00584% EDTA, 20% Glycerol (glycerin, glycerine)

常规信息**功能**

Galectin that binds lactose and a related range of sugars. May be involved in the assembly of adherens junctions.

序列相似性

Contains 2 galectin domains.

结构域

Contains two homologous but distinct carbohydrate-binding domains.

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