

Recombinant *S. cerevisiae* GAL4 protein ab81879

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製品の詳細

製品名	Recombinant <i>S. cerevisiae</i> GAL4 protein
精製度	> 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.
発現系	<i>Escherichia coli</i>
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
生物種	<i>Saccharomyces cerevisiae</i>
領域	1 to 147
製品の詳細	Recombinant <i>S. cerevisiae</i> GAL4 protein

特性

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.

アプリケーション	SDS-PAGE
	Functional Studies

製品の状態	Liquid
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備考	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.
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前処理および保存

保存方法および安定性	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)
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関連情報

機能	Galectin that binds lactose and a related range of sugars. May be involved in the assembly of adherens junctions.
配列類似性	Contains 2 galectin domains.
ドメイン	Contains two homologous but distinct carbohydrate-binding domains.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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