

Recombinant human SIRT2 protein ab79948

画像数 2

製品の詳細

製品名	Recombinant human SIRT2 protein
生理活性	Specific Activity: 1.4 U/μg. One U =1 pmol/min. Activity: =1.0 pmol/min/μg. Assay conditions: 25 mM Tris/HCl, pH 8.0, 137 mM NaCl, 2.7 mM KCl, 1 mM MgCl ₂ , and 0.1 mg/ml BSA, 20 μM BPS HDAC substrate, 500 μM NAD ⁺ and Sirtuin 2 (125 - 8000 ng). Incubation condition: 30 min at 37°C followed by treatment with 50 μl of SIRT developer for 15 min at RT. Fluorescence intensity is measured at ex360/em460.
精製度	> 90 % SDS-PAGE.
発現系	Escherichia coli
アクセッション番号	<u>Q8IXJ6</u>
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
生物種	Human
配列	MASSLGSQKERLLDELTLEGVARYMQSERCRRVICLVGAGIS TSAGIPDF RSPSTGLYDNLEKYHLPYPEAIFEISYFKKHPEPFFALAKEL YPGQFKPT ICHYFMRLLKDKGLLLRCYTQNIDTLERiAGLEQEDLVEAHG TFYTSHCV SASCRHEYPLSWMKEKIFSEVTPKCEDCQSLVKPDIVFFGES LPAFFSC MQSDFLKVDLLLVMGTSLVQVQPFASLISKAPLSTPRLLINKE KAGQSDPF LGMIMGLGGGMDFDSKKAYRDVAWLGECDQGCLALAEELLGWK KELEDLVR REHASIDAQSLEHHHHHH
予測される分子量	36 kDa including tags
領域	50 to 356
タグ	His tag C-Terminus
配列の追加情報	NP_036369 36 kDa including tag

特性

Our **Abpromise guarantee** covers the use of **ab79948** 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 Functional Studies
SDS-PAGE

製品の状態 Liquid

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. Store at -80°C. Avoid freeze / thaw cycle.
pH: 8.00
Constituents: 0.0462% (R*,R*)-1,4-Dimercaptobutan-2,3-diol, 0.395% Tris HCl, 0.05% Tween,
50% Glycerol (glycerin, glycerine), 0.58% Sodium chloride
This product is an active protein and may elicit a biological response in vivo, handle with caution.

関連情報

機能 NAD-dependent protein deacetylase, which deacetylates the 'Lys-40' of alpha-tubulin. Involved in
the control of mitotic exit in the cell cycle, probably via its role in the regulation of cytoskeleton.

組織特異性 Widely expressed. Highly expressed in heart, brain and skeletal muscle, while it is weakly
expressed in placenta and lung. Down-regulated in many gliomas suggesting that it may act as a
tumor suppressor gene in human gliomas possibly through the regulation of microtubule network.

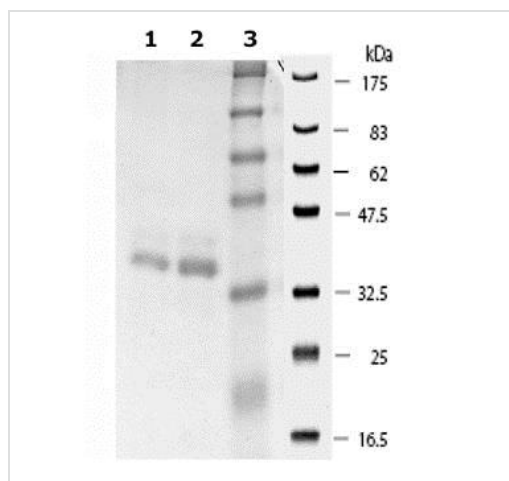
配列類似性 Belongs to the sirtuin family.
Contains 1 deacetylase sirtuin-type domain.

発生段階 Peaks during mitosis. After mitosis, it is probably degraded by the 26S proteasome.

翻訳後修飾 Phosphorylated at the G2/M transition of the cell cycle.

細胞内局在 Cytoplasm > cytoskeleton. Colocalizes with microtubules.

画像



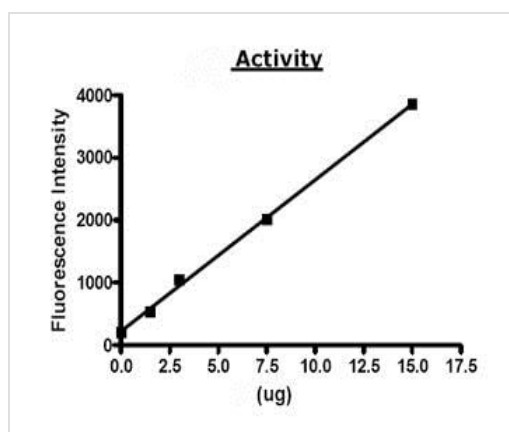
SDS-PAGE - Recombinant human SIRT2 protein
(ab79948)

12% SDS-PAGE, Coomassie staining.

Lane 1: ab79948 1µg.

Lane 2: ab79948 2µg.

Lane 3: Protein marker.



Functional Studies - Recombinant human SIRT2
protein (ab79948)

Image showing specific activity of ab79948.

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

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