

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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2'-PDE (h3): 293T Lysate: sc-176773



The Power to Question

BACKGROUND

C-C or β chemokine family members are characterized by a pair of adjacent cysteine residues and serve as potent chemoattractants and activators of monocytes and T cells. However, this receptor family has also been shown to facilitate viral infection. 2'-PDE, also designated PDE12, is a member of the CCR4/Nocturin family and a key component of the 2-5A system. The 2-5A system is a major pathway induced by interferons (IFNs), in which unusual oligoadenylates, referred to as 2-5As, modulate RNA degradation in cells. 2'-PDE degrades 2-5A to AMP and ATP. Viral infection of cells induces the secretion of IFNs, which upregulate 2',5'-OASs. Suppression of 2'-PDE results in significant reduction of viral replication, whereas overexpression of 2'-PDE has been shown to protect cells from IFN-induced antiproliferative activity. Therefore, 2'-PDE may act as a potential target for antiviral and antitumor treatments.

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CHROMOSOMAL LOCATION

Genetic locus: PDE12 (human) mapping to 3p14.3.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PRODUCT

2'-PDE (h3): 293T Lysate represents a lysate of human 2'-PDE transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

2'-PDE (h3): 293T Lysate is suitable as a Western Blotting positive control for human reactive 2'-PDE antibodies. Recommended use: 10-20 µl per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

PROTOCOLS

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