Acetyltransferase activity kit

The Acetyltransferase activity kit is a homogeneous mix-and-read fluorescent assay for the determination of any acetyl-CoA dependent acetyltransferase activity. It is suitable for end-point or kinetic read options, which is ideal for determining mechanism of action, kinetics, and screening candidate compounds. The assay is amendable to HTS and miniaturization.

Acetylation of proteins and drugs is a regulatory event that can result in the activation, inactivation, or detoxification of molecules including histones, kinases, transcription factors, anti-microbial agents, and neurotransmitters. While acetylation can be carried out by a variety of acetyltransferase enzymes using diverse substrates, their common cofactor or acetyl donor is acetyl-CoA.

Citations: 3 View Online »

Ordering Information

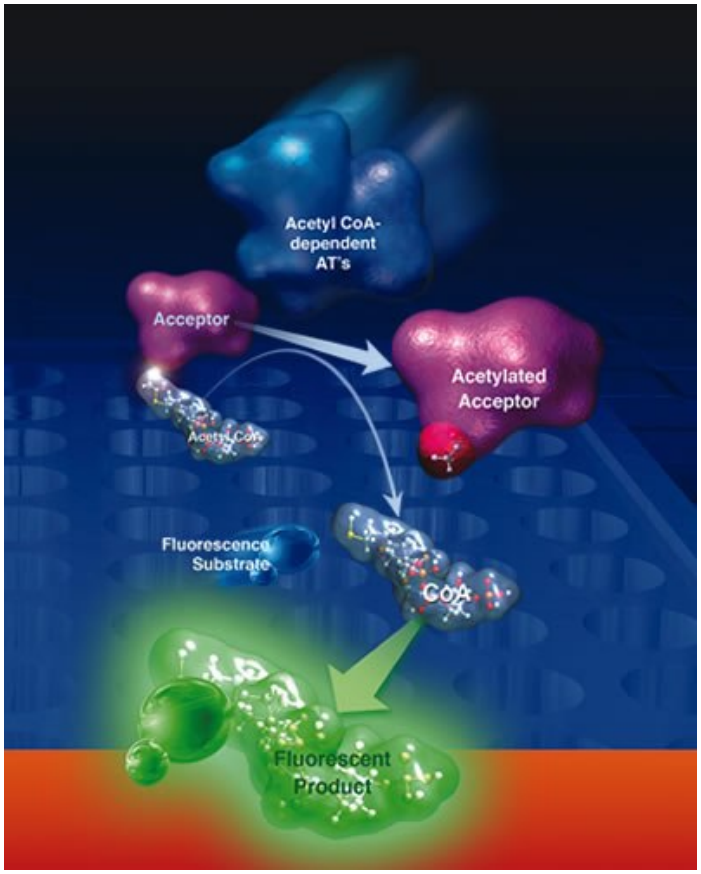
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ADI-907-026	96 wells

Manuals, SDS & CofA

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- Universal - suitable for any AcetylCoA-dependent acetyltransferase
- Robust - Z' factor = 0.87
- Sensitive - fluorescent detection allows for both DNA and protein assays
- Higher throughput - homogeneous mix-and-read assay


Acetyl CoA-
dependent
AT's
Acceptor
Acetylated
Acceptor
Acetyl CoA
Fluorescence
Substrate
CoA
Fluorescent
Product

Handling & Storage

Use/Stability	Store all components at -20°, except positive control at -80°C.
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

Application	Activity assay, Fluorescent detection, HTS
Application Notes	For the measurement of acetyl-CoA dependent acetyltransferase activity in purified *in vitro* samples that do not contain reductants from any species.
Contents	Black Microtiter plate, Reaction buffer, Assay buffer, Detection solution, Positive control
Species Reactivity	Species independent

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