

Product datasheet

Recombinant HDAC3+NCOR2 complex protein ab42631

1 References

Description

Product name	Recombinant HDAC3+NCOR2 complex protein
Biological activity	Activity: 110 U/ug. One U =1 pmol/min, Assay condition: 25 mM Tris/Cl, pH8.0, 137 mM NaCl, 2.7 mM KCl, 1 mM MgCl ₂ , and 0.1 mg/ml BSA, 30 uM Biomol substrate (Catalog number KI177), and 1 ng/ul HDAC3/NcoR2. Incubation condition: 30 min at 37°C.
Purity	> 90 % SDS-PAGE.
Expression system	Baculovirus
Protein length	Full length protein
Animal free	No
Nature	Recombinant

Specifications

Our [Abpromise guarantee](#) covers the use of **ab42631** in the following tested applications.

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

Applications	Inhibition Assay
Form	Liquid
Additional notes	Co-expressed in a Baculovirus infected Sf9 cell expression system.

Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.614% Glutathione, 0.79% Tris HCl, 10% Glycerol, 0.8004% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
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General Info

Function	Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events.
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Histone deacetylases act via the formation of large multiprotein complexes. Probably participates in the regulation of transcription through its binding to the zinc-finger transcription factor YY1; increases YY1 repression activity. Required to repress transcription of the POU1F1 transcription factor. Acts as a molecular chaperone for shuttling phosphorylated NR2C1 to PML bodies for sumoylation.

Tissue specificity	Widely expressed.
Sequence similarities	Belongs to the histone deacetylase family, HD type 1 subfamily.
Post-translational modifications	Sumoylated in vitro.
Cellular localization	Nucleus.

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