

## Histone H3 (21-44)-GK-biotin amide (trifluoroacetate salt)

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Keep away from direct sunlight  
Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
Actual storage temperature shall be subject to the COA.

## Biological Description

|               |   |
|---------------|---|
| Description   | Histone H3 (21-44)-GK-biotin is a peptide fragment of histone H3 that corresponds to amino acid residues 22-45 of the human histone H3.3 sequence and is biotinylated via a C-terminal GK linker. Unlike histone H3.1 and H3.2, the histone H3.3 variant contains a serine residue at position 31 that is phosphorylated during late prometaphase and metaphase of mitosis. Histone H3 (21-44) also contains lysine residues at positions 23, 27, and 36 that are subject to methylation and acetylation, all of which have a role in the regulation of gene expression, and a serine residue at position 28 that is subject to phosphorylation during mitosis. |
| Targets(IC50) | Others  |

## Solubility Information

|            |   |
|------------|---|
| Solubility | H2O: Soluble<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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