

Product Data Sheet

Product Name: Histone H3 (1-35) (human, mouse, rat, bovine) (trifluoroacetate salt)

Cat. No.: GC45475

Chemical Properties

Cas. No.

Formula C149H269N55O45.XCF3COOH M.Wt 3551.1

Solubility Water: 1 mg/ml Storage Store at -20°C

General For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT, or Condition blue ice upon request.

Structure

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H—Ala—Arg—Thr—Lys—Gln—Thr—Ala—Arg—Lys—Ser—
  Thr—Gly—Gly—Lys—Ala—Pro—Arg—Lys—Gln—Leu—
  Ala—Thr—Lys—Ala—Ala—Arg—Lys—Ser—Ala—Pro—
    Ala—Thr—Gly—Gly—Val—OH
    • XCF3COOH
  
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Background

Histone H3 (1-35) is an N-terminal peptide fragment of histone H3 that corresponds to amino acid residues 2-36 of the human histone H3.1 and 3.2 sequences. Histone H3 (1-35) contains lysine residues at positions 4, 9, and 27 that are subject to methylation and acetylation and a serine residue at position 10 that is subject to phosphorylation, all of which have a role in the regulation of gene expression.¹

References

1. Bhaumik, S.R., Smith, E., and Shilatifard, A. Covalent modifications of histones during development and disease pathogenesis. Nat. Struct. Mol. Biol. 14(11), 1008-1016 (2007).

Caution: Product has not been fully validated for medical applications. For research use only.

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