

Product Name: Histone H3 (69-89) amide (human, mouse, rat, bovine) (trifluoroacetate salt)
Cat. No.: GC47432

Cas. No. N/A

[illegible]

Formula	C109H180N34O32.XCF3COOH	M.Wt	2478.8
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Solubility	Water: 1 mg/ml	Storage	Store at -20°C
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General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.
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Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.
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Structure

H—Arg—Leu—Val—Arg—Glu—Ile—Ala—Gln—Asp—Phe—
 Lys—Thr—Asp—Leu—Arg—Phe—Gln—Ser—Ser—Ala—
 Val—NH₂

- XCF₂COOH

Histone H3 (69-89) amide is a peptide fragment of histone H3 that corresponds to amino acid residues 70-90 of the human histone H3.1 and H3.2 sequences. Histone H3 (69-89) amide contains a lysine residue at position 79 that is subject to methylation and acetylation and has a role in regulation of gene expression.^{1,2}

1.Garcia, B.A., Hake, S.B., Diaz, R.L., et al.Organismal differences in post-translational modifications in histones H3 and H4J. Biol. Chem.282(10)7641-7655(2007) 2.Barski, A., Cuddapah, S., Cui, K., et al.High-resolution profiling of histone methylations in the human genomeCell129(4)823-837(2007)

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

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