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(54) **BIS-MET HISTONES**

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(58) **Field of Classification Search**
None
See application file for complete search history.

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(57) **ABSTRACT**
The present invention provides a nucleic acid molecule which encodes a polypeptide consisting of two methionine residues as the first and second N-terminal amino acid residues linked via a peptide bond to a mature eukaryotic histone. The present invention furthermore relates to a vector containing said nucleic acid molecule, a host transformed with said vector, polypeptides encoded by the nucleic acid molecule and pharmaceutical and diagnostic compositions. The present invention also relates to the use of the nucleic acid molecule, vectors, hosts and the polypeptide of the invention for the preparation of a composition for the treatment of diseases. Furthermore, the present invention relates to a method of testing for the presence of the nucleic acid molecule or the polypeptide in a sample and to a kit.

19 Claims, 3 Drawing Sheets