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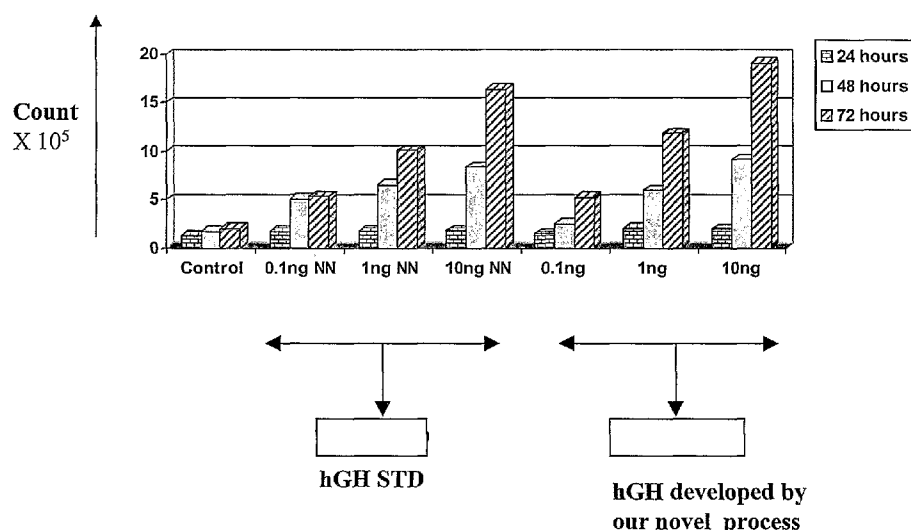
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(54) Title: CHIMERIC HUMAN GROWTH HORMONE DERIVED FROM THE PLACENTA AND PITUITARY ISOFORM AND PROCESSES FOR OBTAINING SAID CHIMERA



Bioactivity Assay of hGH-NV derived hGH

(57) Abstract: The present invention relates to a novel hGH-NV cDNA chimera having SEQ ID NO: 3 encoding human growth hormone. The invention also relates to a process for obtaining novel hGH-NV cDNA chimera from the cDNA isoforms of human placenta and pituitary RNA, by amplifying the cDNA isoforms by reverse transcription using gene specific primers, cloning the amplified cDNA isoforms, digesting the cloned cDNA isoforms at specific restriction endonuclease sites followed by replacing the digested cDNA isoform hGH-V fragment specific region by a hGH-N fragment to obtain hGH-NV cDNA chimera. Further the novel hGH-NV cDNA chimera is used as a template to obtain an expressible construct containing the fragment having SEQ ID NO: 5 to produce mature human growth hormone.

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