Title of the invention: METHOD OF OBTAINING A BINDER TO PREPRO VASOPRESSIN OR FRAGMENTS THEREOF

Abstract:
Method of obtaining and/or verifying a binder to prepro Vasopressin (SEQ ID NO. 1) or fragments thereof of at least 6 amino acids in length including Copeptin (SEQ ID NO. 2) comprising at least one of the steps of: a) generating the binder using a developer comprising an amino acid sequence of at least 6 amino acids in length contained in an amino acid sequence corresponding to the C terminal part but lacking amino acid 164 of prepro Vasopressin (SEQ ID NO. 1); b) determining whether the binder is capable of binding to an amino acid sequence of at least 4 amino acids in length contained in an amino acid sequence corresponding to the C terminal part but lacking amino acid 164 of prepro Vasopressin (SEQ ID NO. 1); c) selecting and optionally isolating the binder from a plurality of binders which is capable of binding to an amino acid sequence contained in an amino acid sequence corresponding to the C terminal part but lacking amino acid 164 of prepro Vasopressin (SEQ ID NO. 1); d) carrying out binding assays with the binder in order to determine the ex vivo stability of prepro Vasopressin or fragments thereof of at least 6 amino acids in length including Copeptin in a biological sample; e) carrying out binding assays with the binder and another binder for comparison purposes in order to determine the concentration of prepro Vasopressin or fragments thereof of at least 6 amino acids in length including Copeptin in a biological sample; wherein the C terminal part consists of amino acids 138 to 164 of prepro Vasopressin (SEQ ID NO. 1) in order to obtain a binder or a mixture of binders capable of binding to an epitope contained in an amino acid sequence corresponding to amino acids 138 to 163 but lacking amino acid 164 of prepro Vasopressin (SEQ ID NO. 1).