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(54) Title: CARBOXYPEPTIDASE B RELATED POLYPEPTIDES AND METHODS OF USE

(57) Abstract: Recombinant TAFI polypeptide mutants, as well as the polynucleotides encoding such polypeptides, are disclosed. Also disclosed are methods for utilizing such polypeptides in methods of screening for potential therapeutic agents, substrates, inhibitors or enhancers of carboxypeptidases.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/26773

<p>A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : C12N 9/48, 1/20, 15/00; C07H 21/04 US CL : 435/212, 252.3, 320.1; 536/23.2 According to International Patent Classification (IPC) or to both national classification and IPC</p>													
<p>B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 435/212, 252.3, 320.1; 536/23.2 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WEST, STN AND SEQUENCE DATA BASE FOR SEQ ID NOS: 1-3.</p>													
<p>C. DOCUMENTS CONSIDERED TO BE RELEVANT</p> <table border="1"> <thead> <tr> <th>Category *</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>WO 98/55645 A1 (SCHERING AKTIENGESELLSCHAFT) 10 December 1998 (10.12.1998), see Examples 1-6, SEQ ID Nos. 1 (DNA) and 2 (protein) being 100% identical to Applicants' SEQ ID NO : 1 & 2.</td> <td>1, 9-14, 16, 22</td> </tr> <tr> <td>X</td> <td>US 5,474,901 A (DRAYNA et al.) 12 December 1995 (12.12.1995), see abstract, summary, Table 1, column 11 & 12 showing the mutations sites and regions including 207 though not with reference to Applicant's SEQ ID NO : 3. Applicants' SEQ ID NO : 2 is 100% identical to SEQ ID NO : 3 of the patent.</td> <td>1, 9-16,</td> </tr> <tr> <td>A</td> <td>EATON et al. Isolation, Molecular Cloning, and Partial Characterization of a Novel CarboxypeptidaseB from Human Plasma. J. Biol. Chem., 15 November 1991, Vol. 266, No. 32, pages 21833-21838.</td> <td>1-24</td> </tr> </tbody> </table>		Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	WO 98/55645 A1 (SCHERING AKTIENGESELLSCHAFT) 10 December 1998 (10.12.1998), see Examples 1-6, SEQ ID Nos. 1 (DNA) and 2 (protein) being 100% identical to Applicants' SEQ ID NO : 1 & 2.	1, 9-14, 16, 22	X	US 5,474,901 A (DRAYNA et al.) 12 December 1995 (12.12.1995), see abstract, summary, Table 1, column 11 & 12 showing the mutations sites and regions including 207 though not with reference to Applicant's SEQ ID NO : 3. Applicants' SEQ ID NO : 2 is 100% identical to SEQ ID NO : 3 of the patent.	1, 9-16,	A	EATON et al. Isolation, Molecular Cloning, and Partial Characterization of a Novel CarboxypeptidaseB from Human Plasma. J. Biol. Chem., 15 November 1991, Vol. 266, No. 32, pages 21833-21838.	1-24
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<p>Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230</p>	<p>Authorized officer <i>Valerie Bell-Harrop</i> Tekchand Saidha Telephone No. 571/272-1600</p>												