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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO,

(54) Title: A MODIFIED PROTEIN SCAFFOLD AND USE THEREOF

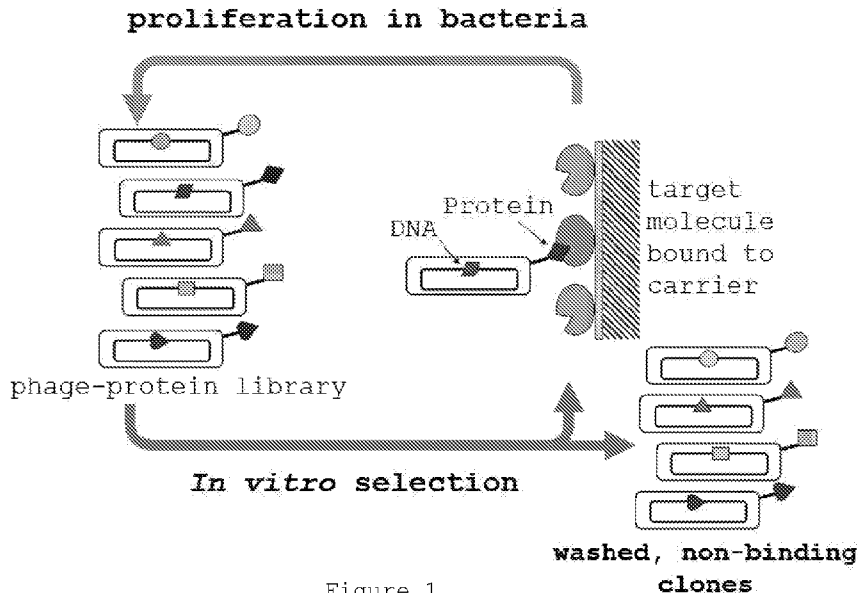


Figure 1

(57) Abstract: A modified protein scaffold and use thereof The invention relates to a protein comprising a limited amino acid sequence of SEQ ID NO: 115, within which a segment of the general formula Ih-mod $GX_1CX_{1V}X_2X_3X_4X_5$ is present where X_1 is any of F, Y, L, P, Q, M, V, W, A, or T, X_{1V} is R, or K, X_2 is any of A, G, S, or T, X_3 is any amino acid of the 17-set, where the 17-set comprises A, I, L, F, or Y, X_4 is any of K, I, Q, R, H, S, F, M, N, L, or V, and X_5 is any of R, V, I, K, M, Q, E, F, L, N, Y, D, S, H; and b) in position 34 of the amino acid sequence of SEQ ID NO: 115 it contains an amino acid selected from the 34-set it contains any amino acid of the 34-set, where the 34-set comprises Y, I, F, G, V and S. The present invention further relates to the use of said protein in pharmaceutical preparations, in kits, in screening procedures. The proteins are suitable for inhibiting the MASP-2 enzyme.



RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH,
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ZA, ZM, ZW.

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Published:

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INTERNATIONAL SEARCH REPORT

International application No
PCT/HU2023/050068

A. CLASSIFICATION OF SUBJECT MATTER
 INV. C07K14/81 A61K38/00 A61P7/02 A61P43/00
 ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
 Minimum documentation searched (classification system followed by classification symbols)
 C07K A61K A61P

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)
 EPO-Internal, BIOSIS, EMBASE, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2018/127719 A2 (EVOLVERITAS KFT [HU]) 12 July 2018 (2018-07-12) cited in the application claims 1-17 sequence 22 -----	1 - 24
A	WO 2010/136831 A1 (EOTVOS LORAND TUDOMANYEGYETEM [HU] ET AL.) 2 December 2010 (2010-12-02) cited in the application claims 1-16 -----	1 - 24

Further documents are listed in the continuation of Box C.
 See patent family annex.

* Special categories of cited documents :

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Date of the actual completion of the international search	Date of mailing of the international search report
6 May 2024	04/06/2024

Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer <p style="text-align: center;">Tudor, Mark</p>
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/HU2023/050068

Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.c of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of a sequence listing:
 - a. forming part of the international application as filed.
 - b. furnished subsequent to the international filing date for the purposes of international search (Rule 13*ter*.1(a)).
 - accompanied by a statement to the effect that the sequence listing does not go beyond the disclosure in the international application as filed.
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, this report has been established to the extent that a meaningful search could be carried out without a WIPO Standard ST.26 compliant sequence listing.
3. Additional comments:

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/HU2023/050068

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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