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(71) Applicant: JOINT STOCK COMPANY "BIOCAD"

[RU/RU]; ul. Svyazi, d. 38, str. 1, pomeshch. 89, Saint Petersburg, vn. ter. g. poselok Strelna, p. Strelna, 198515 (RU).

(72) Inventors: PEREPELKINA, Mariya Pavlovna; ul. Mar-

shala Zakharova, d. 16, korp. 1, kv. 67, Saint Petersburg, 198328 (RU). VLASOVA, Elena Veniaminovna; ul. Kuybysheva, d.1, kv.3, Resp. Kareliya, g. Sortavala, 186791 (RU). FOMINA, Anastasiia Vladimirovna; ul. Stankostroiteley, d.12, kv. 32, Ulyanovsk, 432042 (RU). GERSHOVICH, Pavel Mikhailovich; Petergofskoe shosse, d. 45, kv. 627, Saint Petersburg, 198328

(RU). MARKOVA, Vitaliia Aleksandrovna; Novoizmaylovskiy pr-kt, d. 14A, kv. 21, Saint Petersburg, 196128 (RU). MOROZOV, Dmitry Valentinovich; Admiraltejskij r-n, ul. Pochtamtskaya, d. 20, kv. 3, Saint Petersburg, 190000 (RU).

(74) Agent: MELCHAEVA, Olga Anatolevna; ul. Svyazi, d.

38, str. 1, pomeshch. 89, Saint Petersburg, vn. ter. g. poselok Strelna, p. Strelna, 198515 (RU).

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(54) Title: ISOLATED NUCLEIC ACID THAT ENCODES FUSION PROTEIN BASED ON FVIII-BDD AND ON HETEROLOGOUS SIGNAL PEPTIDE

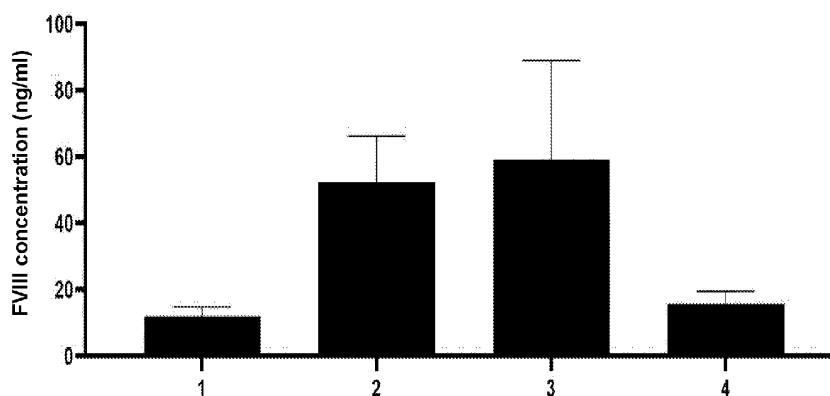


Fig. 1

(57) Abstract: The present application relates to the fields of genetics, gene therapy, and molecular biology. More specifically, the present invention relates to a nucleic acid that encodes a fusion protein based on FVIII-BDD (B-domain deleted coagulation factor VIII) and on a heterologous signal peptide, to an expression cassette and a vector based thereon, to a host cell for producing the fusion protein based on FVIII-BDD and on a heterologous signal peptide, and further to various uses of the above vector.

[Continued on next page]

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