etc.) and interleukin receptors (e.g., IL-1 receptor, IL-4 receptor, etc.), enzymes (e.g., glucocerebrosidase, iduronate-2-sulfatase, α-galactosidase-A, agalsidase α, β, α-L-iduronidase, butyrylcholinesterase, chitinase, glutamate decarboxylase, imiglucerase, lipase, uricase, platelet-activating factor acetylhydrolase, neutral endopeptidase, myeloperoxidase, etc.), interleukin- and cytokine-binding proteins (e.g., IL-18bp, TNF-binding protein, etc.), macrophage-activating factor, macrophage peptide, B cell factors, T cell factors, protein A, allergy inhibiting factors, necrosis glycoproteins, immunotoxins, lymphotoxins, tumor necrosis factors, tumor suppressors, transforming growth factors, α-1 antitrypsin, albumin, α-lactalbumin, apolipoprotein-E, erythropoietin, high-glycosylated erythropoietin, angiopoietins, hemoglobins, thrombin, thrombin receptor–activating peptide, thrombomodulin, blood coagulation factor VII, blood coagulation factor VIIα, blood coagulation factor VIII, coagulation factor IX, blood coagulation factor XIII, plasminogen activators, fibrin-binding peptide, urokinase, streptokinase, hirudin, protein C, C-reactive protein, renin inhibitor, collagenase inhibitor, superoxide dismutase, leptin, platelet-derived growth factor, epithelial growth factor, epidermal growth factor, angiostatin, angiotensin, bone morphogenetic growth factor, bone morphogenetic protein, calcitonin, insulin and insulin derivative, atriopeptin, cartilage-inducing factor, elcatonin, connective tissue-activating factor, tissue factor pathway inhibitor, follicle-stimulating hormone, luteinizing hormone, luteinizing hormone-releasing hormone, nerve growth factors (e.g., nerve growth factor, ciliary neurotrophic factor, axogenesis factor-1, brain-natriuretic peptide, glial cell-derived neurotrophic factor, netrin, neutrophil inhibitor factor, neurotrophic factors, neutrin, etc.), parathyroid hormone, relaxin, secretin, somatomedin, insulin-like growth factor, adrenocortica hormone, glucagon, insulinotropic peptides including glucagon-like peptide-1 and exendin-4, incretins secreted in the intestines, adipocytes including leptons and neuro-cytokines effective for metabolic syndrome, cholecystokinin, pancreatic polypeptides, gastrin-releasing peptides, corticotropin-releasing factor, thyroid stimulating hormone, autotaxin, lactoferrin, myostatin, receptors (e.g., TNFR (P75), TNFR (P55), IL-1 receptor, VEGF receptor, B cell activating factor receptor, etc.), receptor antagonists (e.g., IL1-Ra, etc.), cell surface antigens (e.g., CD 2, 3, 4, 5, 7, 11a, 11b, 18, 19, 20, 23, 25, 33, 38, 40, 45, 69, etc.), monoclonal antibody, polyclonal antibody, antibody fragments (e.g., scFv, Fab, Fab', $F(ab')_2$, and Fd), virus-derived vaccine antigen, etc., but are not limited thereto. The physiologically active polypeptide applicable in the present invention may be a native type; one which was produced by genetic recombination in a prokaryotic cell such as *E. coli*, or in

[Claim 16]

The drug conjugate of claim 15, wherein the drug is selected from the group consisting of human growth hormone, growth hormone-releasing hormone, growth hormone-releasing peptide, interferons and interferon receptors, colony-stimulating factor, interleukins and interleukin receptors, enzymes, interleukin- and cytokine-binding proteins, macrophage-activating factor, macrophage peptide, B cell factor, T cell factor, protein A, allergy inhibiting factor, necrosis glycoprotein, immunotoxin, lymphotoxin, tumor necrosis factor, tumor suppressor, transforming growth factor, α-1 antitrypsin, albumin, α-lactalbumin, apolipoprotein-E, erythropoietin, high-glycosylated erythropoietin, angiopoietin, hemoglobin, thrombin, thrombin receptor–activating peptide, thrombomodulin, blood coagulation factor VII, blood coagulation factor VIIα, blood coagulation factor VIII, coagulation factor IX, blood coagulation factor XIII, plasminogen activator, fibrin-binding peptide, urokinase, streptokinase, hirudin, protein C, C-reactive protein, renin inhibitor, collagenase inhibitor, superoxide dismutase, leptin, platelet-derived growth factor, epithelial growth factor, epidermal growth factor, angiostatin, angiotensin, bone morphogenetic growth factor, bone morphogenetic protein, calcitonin, insulin and insulin derivative, atriopeptin, cartilage-inducing factor, elcatonin, connective tissue-activating factor, tissue factor pathway inhibitor, follicle-stimulating hormone, luteinizing hormone, luteinizing hormone-releasing hormone, nerve growth factors (including nerve growth factor, ciliary neurotrophic factor, axogenesis factor-1, brain-natriuretic peptide, glial cell-derived neurotrophic factor, netrin, neutrophil inhibitor factor, neurotrophic factor, and neutrin), parathyroid hormone, relaxin, secretin, somatomedin, insulin-like growth factor, adrenocorticahormone, glucagon, insulinotropic peptides including glucagon-like peptide-1 and exendin-4, incretins secreted in the intestines, adipocytes including leptons and neuro-cytokines effective for metabolic syndrome, cholecystokinin, pancreatic polypeptides, gastrin-releasing peptides, corticotropin-releasing factor, thyroid stimulating hormone, autotaxin, lactoferrin, myostatin, receptor, receptor antagonist, cell surface antigen, monoclonal antibody, polyclonal antibody, antibody fragments, and virus-derived vaccine antigen.

[Claim 17]

The drug conjugate of claim 15, wherein the drug is a granulocyte colony-stimulating factor.