empty capsid AAV-Rh74,

in the manufacture of a medicament for treating cystic fibrosis, Choroideremia, LCA-Lebercilin, Gyrate Atrophy, X-linked Retinoschisis, Usher's Syndrome 1C, retinitis pigmentosa, Connexin 26 deafness, Achromatopsia, Polycystic kidney disease, a lysosomal storage disease, a polynucleotide repeat disease, dentatorubropallidolusyan atropy, spinobulbar muscular atrophy, spinocerebellar ataxia (type 1, 2, 3, 6, 7, 8, 12 17), fragile X syndrome, fragile X-associated tremor/ataxia syndrome, myotonic dystrophy, Friedreich's ataxia, amyotrophic lateral sclerosis (ALS), Parkinson's disease, Alzheimer's disease, hypercoloesterolemia, HIV infection, Rous sarcoma virus (RSV) infection, hepatitis C virus infection, acute kidney injury, delayed graft function kidney transplant, kidney injury acute renal failure, advance recurrent or metastatic solid malignancies, metastatic melanoma, chronic myeloid leukemia, solid tumors, liver tumors, familial adenomatous polyposis, glaucoma, diabetic macular oedma (DME), age-related macular degeneration, choroidal neovascularization, non-arteritic ischaemic optic neuropathy, pachyonychia congenital, influenza infection, severe acute respiratory syndrome (SARS), respiratory syncytial virus infection, Ebola infection, hepatitis B virus infection, herpes simplex virus infection, coxsackievirus B3 infection, primary dystonia, autosomal dominantly inherited retinitis pigmentosa, lung disease, bleeding disorder, hemophilia A, hemophilia B, thalassemia, blood disorder, anemia, Huntington's disease, epilepsy, lysosomal storage disease, copper or iron accumulation disorders, Wilson's disease, Menkes disease, lysosomal acid lipase deficiency, a neurological or neurodegenerative disorder, cancer, type 1 diabetes, type 2 diabetes, Gaucher's disease, Hurler's disease, adenosine deaminase deficiency, glycogen storage diseases, a retinal degenerative disease, RPE65 deficiency, brain disease, liver disease, kidney disease, heart disease, infectious viral disease, bacterial disease or fungal disease,

wherein said medicament is to be administered to a mammal or a cell of said mammal, thereby delivering or transferring a heterologous polynucleotide sequence into the mammal or cell of the mammal.

6. The use of any of claims 1 to 5, wherein said adeno-associated virus (AAV) vector comprises a VP2 (SEQ ID NO: 3), or VP3 (SEQ ID NO: 4) sequence of AAV-Rh74 set forth in Figure 3.

7. The use of any of claims 1 to 5, wherein said heterologous polynucleotide sequence, or said protein, is expressed at levels having a therapeutic effect on the mammal.

8. The use of any of claims 1 to 5, wherein said adeno-associated virus (AAV) vector has increased tropism for hepatocytes compared to AAV2 or AAV8.

9. The use of any of claims 1 to 5, wherein said heterologous polynucleotide sequence or said protein is expressed in a cell, tissue or organ of said mammal.

10. The use of claim 9, wherein the cell comprises a secretory cell.

11. The use of claim 9, wherein the cell comprises an endocrine cell.

12. The use of claim 9, wherein the cell comprises hepatocyte, a retinal cell, an epithelial cell, or a totipotent, pluripotent or multipotent stem cell.

13. The use of claim 9, wherein the tissue or organ of said mammal comprises liver, eye or retina.

14. The use of any of claims 1 to 5, wherein the mammal produces an insufficient amount of a protein, or a defective or aberrant protein.

15. The use of claim 14, wherein the protein comprises CFTR (cystic fibrosis transmembrane regulator protein), a blood coagulation (clotting) factor (Factor XIII, Factor IX, Factor X, Factor VIII, Factor VIIa, protein C, etc.) a gain of function blood coagulation factor, an antibody, retinal pigment epithelium-specific 65 kDa protein (RPE65), erythropoietin, LDL receptor, lipoprotein lipase, ornithine transcarbamylase, β-globin, α-globin, spectrin, α-antitrypsin, adenosine deaminase (ADA), a metal transporter (ATP7A or ATP7), sulfamidase, an enzyme involved in lysosomal storage disease (ARSA), hypoxanthine guanine phosphoribosyl transferase, β-25 glucocerebrosidase, sphingomyelinase, lysosomal hexosaminidase, branched-chain keto acid dehydrogenase, a hormone, a growth factor, insulin-like growth factor 1 or 2, platelet derived