

What is claimed is:

1. A recombinant human 2Ig-B7-H3 protein encoding gene, comprising the nucleotide sequence shown in SEQ ID NO:1.

~~2. A human 2Ig-B7-H3 protein, wherein a coding gene of the human 2Ig-B7-H3 protein is the recombinant human 2Ig-B7-H3 protein coding gene of claim 1.~~

~~2.3.~~ A recombinant vector, comprising a vector and a target gene carried by the vector, wherein the target gene is the recombinant human 2Ig-B7-H3 protein coding gene of claim 1.

~~3.4.~~ The recombinant vector of claim ~~23~~, wherein the vector is selected from a group consisting of a cloning vector, a eukaryotic expression vector, a prokaryotic expression vector and a shuttle vector.

~~4.5.~~ The recombinant vector of claim ~~23~~, wherein the vector is selected from a group consisting of ~~pIRES2-EGFP, pCMVp-NEO-BAN, pEGFT-Actin~~, a lentiviral vector and an adenoviral vector.

~~5.6.~~ A host cell, comprising the recombinant vector of any one of claims ~~23~~ to ~~45~~.

~~6.7.~~ The host cell of claim ~~56~~, wherein the host cell is selected from one or more of 239T cell and SHG44 cell.

~~7.8.~~ A pharmaceutical composition, comprising a pharmaceutically acceptable excipient and ~~one or more selected from a mixture of~~ the recombinant human 2Ig-B7-H3 protein encoding gene of claim 1, ~~the human 2Ig-B7-H3 protein of claim 2,~~ the recombinant vector of any one of claims ~~3-2~~ to ~~54~~, ~~and-or~~ the host cell of any one of claims ~~6-5~~ to ~~76~~ with wild-type 2Ig-B7-H3 protein encoding gene in a ratio of 1:1.

~~8.9.~~ The pharmaceutical composition of claim ~~78~~, wherein the pharmaceutical composition is an injection solution.

~~9.10.~~ Use of a mixture of the recombinant human 2Ig-B7-H3 protein encoding gene of claim 1, ~~the human 2Ig-B7-H3 protein of claim 2,~~ the recombinant vector of any one of claims ~~3-2~~ to ~~54~~, ~~and-or~~ the host cell of any one of claims ~~6-5~~ to ~~7-6~~ with wild-type 2Ig-B7-H3 protein encoding gene in a ratio of 1:1 in the preparation of a medicament for preventing or treating cancer, wherein the cancer is liver cancer or lung cancer.

~~11.~~ ~~The use of claim 10, wherein the cancer is liver cancer, lung cancer, prostate cancer, pancreatic cancer, small intestine cancer, colon cancer, and cervical cancer.~~