

## **ABSTRACT**

The present invention relates to a bispecific protein and a method preparing the same, wherein mutation is introduced into heavy chains and/or light chains to enhance  
5 heterodimerization between a heavy chain (CH3 domain or Fc) and a heavy chain (CH3 domain or Fc) and dimerization between a heavy chain (CH1 domain) and a light chain, both targeting the same material, thereby constructing heterodimeric bispecific proteins of high purity. A bispecific protein according to the present invention can find applications in a variety of fields comprising cancer therapy, singling regulation, diagnosis, etc.