### PRODUCT DATA SHEET



# Complex Biotech Co., Ltd

## **CD133 Recombinant Protein**

Catalog: BCP3393 Host: E.coli Tag: His-tag

#### **BackGround:**

CD133, also known as Prominin, was first described as a cell surface marker recognized by monoclonal antibody AC133 on putative hematopoietic stem cells. Subsequent cDNA cloning indicated that CD133 five-transmembrane protein with a predicated molecular weight of 97 kDa. Due to heavy glycosylation, its apparent molecular weight is 130 kDa as determined by SDS-PAGE analysis. Besides blood stem cells, CD133 is expressed on and used to isolate other stem cells, including cancer stem cells. A deletion mutation in CD133 produces aberrant protein localization and may result in retinal degeneration in humans.

### **Product:**

PBS, 4M Urea, PH7.4

### **Molecular Weight:**

~31kDa

### **Swiss-Prot:**

O43490

### **Purification&Purity:**

Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

#### **Restriction Sites:**

NdeI-XhoI

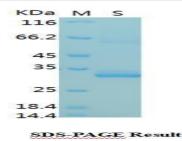
### Storage&Stability:

Store at  $4\,\mathrm{C}$  short term. Aliquot and store at  $-20\,\mathrm{C}$  long term. Avoid freeze-thaw cycles.

## **Expression Vector:**

pet-22b(+)

### **DATA:**



### Note:

For research use only, not for use in diagnostic procedure.