

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 is a 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 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Expression Vector:

pet-22b(+)

DATA:



Note:

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