

PRODUCT DATA SHEET

COMPLEX

Complex Biotech Co., Ltd

CD57 Recombinant Protein

Catalog: BCP3348

Host: E.coli

Tag: His-tag

BackGround:

Galactosylgalactosylxylosylprotein

3-beta-glucuronosyltransferase 1 (B3GAT1), also known as beta-1,3-glucuronyltransferase 1 and glucuronosyltransferase P, is a type II membrane protein enzyme encoded by the B3GAT1 gene. This gene is localized on the 11q25 chromosome and is a member of the glucuronyltransferase gene family. B3GAT1 is one of the enzymes involved in the biosynthesis of carbohydrate epitope human natural killer-1 (HNK-1), also known as CD57 and Leu7. B3GAT1 catalyzes the glucuronyl transfer reaction that adds a glucuronic acid to the terminal N-acetyllactosamine (Lac) disaccharide to form the CD57 epitope on a variety of proteins, lipids, and chondroitin sulfate proteoglycans at the cell surface. CD57 is present on a subset of peripheral blood lymphocytes, including NK cells and CD8+ T cells, as well as neural cells and striated muscle. The CD57 epitope may play a role in neural cell adhesion, and characterizes unique maturation states in T and NK cells.

Product:

PBS, 4M Urea, PH7.4

Molecular Weight:

~35kDa

Swiss-Prot:

Q9P2W7

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

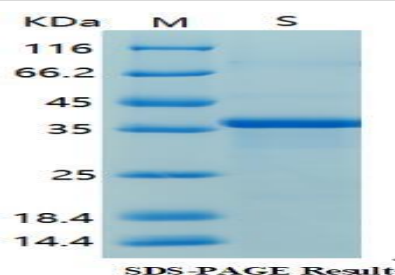
Storage&Stability:

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.