

PRODUCT DATA SHEET

COMPLEX

Complex Biotech Co., Ltd

CD59 Recombinant Protein

Catalog: BCP3349

Host: E.coli

Tag: His-tag

His-tag

BackGround:

CD59 is a GPI-anchored membrane protein that functions as inhibitor of the complement membrane attack complex (MAC). CD59 binds to complement components C8 and C9, preventing C9 polymerization and insertion into membranes, therefore inhibiting the complement-dependent cytotoxicity (CDC). CD59 is a ubiquitously expressed cell membrane protein that protects cells from CDC. Rare cases of CD59 deficiency have been reported to cause paroxysmal nocturnal hemoglobinuria in human patients. Expression of CD59 on tumor cells and viral infected cells makes them resist antibody-dependent complement-mediated lysis. Potent inhibitors for CD59 have been actively pursued for therapeutic applications. In addition, CD59 may regulate insulin secretion by modulating exocytosis.

Product:

PBS, 4M Urea, PH7.4

Molecular Weight:

~9kDa

Swiss-Prot:

P13987

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

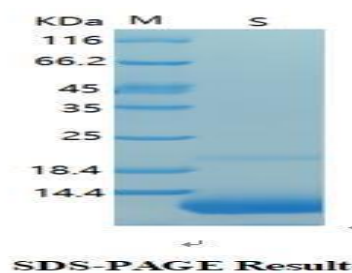
Storage&Stability:

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.