

## 32-3476: CD59 Recombinant Protein

**Alternative Name :**

CD59 Molecule Complement Regulatory Protein, CD59 Antigen P18-20, CD59 Glycoprotein, Surface Antigen Recognized By Monoclonal Antibody 16.3A5, Membrane Attack Complex (MAC) Inhibition Factor, Lymphocytic Antigen CD59/MEM43, Human Leukocyte Antigen MI

### Description

Source : Escherichia Coli. CD59 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 100 amino acids (26-102) and having a molecular mass of 11.3kDa. CD59 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. CD59 is a cell surface glycoprotein which regulates complement-mediated cell lysis, and it is involved in lymphocyte signal transduction. CD59 is an effective inhibitor of the complement membrane attack complex, whereby it binds complement C8 and/or C9 during the compilation of this complex, thus inhibiting the incorporation of multiple copies of C9 into the complex, which is essential for osmolytic pore formation. In addition, CD59 has a role in signal transduction pathways in the activation of T cells. CD59 gene mutations cause CD59 deficiency, a disease resulting in hemolytic anemia and thrombosis, and which causes cerebral infarction.

### Product Info

**Amount :** 10 µg

**Purification :** Greater than 85% as determined by SDS-PAGE.

**Content :** The CD59 solution contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 10% glycerol.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** MGSSHHHHHH SGLVPRGSH MGSLQCYNCP NPTADCKTAV NCSSDFDACL ITKAGLQVYN KCWKFEHCNF NDVTTRLREN ELTYYCCKKD LCNFNEQLEN.

