

**AR51082PU-N****Human CD59 (26-102, His-tag) - Purified****Alternate names:**

20 kDa homologous restriction factor, HRF-20, HRF20, MAC-IP, MAC-inhibitory protein, MACIF, MEM43 antigen, MIC11, MIN1, MIN2, MIN3, MIRL, MSK21, Membrane attack complex inhibition factor, Membrane inhibitor of reactive lysis, Protectin

**Quantity:**

0.1 mg

**Concentration:**

0.5 mg/ml (determined by Bradford assay)

**Background:**

CD59 is a cell surface glycoprotein that regulates complement-mediated cell lysis, and it is involved in lymphocyte signal transduction. This protein is a potent inhibitor of the complement membrane attack complex, whereby it binds complement C8 and/or C9

**Uniprot ID:**

[P13987](#)

**NCBI:**

[NP\\_000602](#)

**GeneID:**

[966](#)

**Species:**

Human

**Source:**

E. coli

**Format:**

**State:** Liquid purified protein

**Purity:** >85% by SDS - PAGE

**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

**Description:****AA Sequence:**

MGSSHHHHHH SGLVPRGSH MGSLQCYNCP NPTADCKTAV NCSSDFDACL ITKAGLQVYN  
KCWKFEHCNF NDVTTRLREN ELTYYCCKKD LCNFNEQLEN

**Molecular weight:** 11.3 kDa (100aa), confirmed by MALDI-TOF

**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

**General Readings:**

Ninomiya H., et al (1992). J. Biol. Chem. 267: 13675-13680 Rudd P.M., et al (1997). J. Biol. Chem. 272:7229-7244

**Pictures:**