

AR51082PU-S**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:

20 µg

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 MGLQCYNCP 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: