

CD59 Protein, Human (HEK293, His)

Cat. No.:	HY-P72719
Synonyms:	CD59 glycoprotein; HRF-20; MAC-IP; MACIF; MIRL; CD59; MIC11; MIN1; MSK21
Species:	Human
Source:	HEK293
Accession:	P13987 (L26-N102)
Gene ID:	966
Molecular Weight:	15-20 kDa

PROPERTIES

AA Sequence	L Q C Y N C P N P T A D C K T A V N C S S D F D A C L I T K A G L Q V Y N K C W K F E H C N F N D V T T R L R E N E L T Y Y C C K K D L C N F N E Q L E N
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	CD59 protein is a potent inhibitor of the complement membrane attack complex (MAC) action. It functions by binding to the assembling MAC's C8 and/or C9 complements, thereby impeding the incorporation of multiple copies of C9 necessary for the formation of the osmolytic pore. Notably, this inhibitor exhibits species-specificity. Additionally, CD59 is involved in T-cell activation complexed with a protein tyrosine kinase for signal transduction. It is worth noting that while the soluble form of CD59 from urine retains its specific complement binding activity, it demonstrates a significantly reduced ability to inhibit MAC assembly on cell membranes.
-------------------	--

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA