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Product datasheet for AR51082PU-S

CD59 (26-102, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	CD59 (26-102, His-tag) human protein, 20 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSLQCYNCP NPTADCKTAV NCSSDFDACL ITKAGLQVYN KCWKFEHCNF NDVTTRLREN ELTYYCCKKD LCNFNEQLEN
Tag:	His-tag
Predicted MW:	11.3 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_000602
Locus ID:	966
UniProt ID:	P13987
Cytogenetics:	11p13
Synonyms:	MAC-inhibitory protein, Protectin, MEM43 antigen, MIC11, MIN1, MIN2, MIN3, MSK21, MACIF, MAC-IP, MIRL, HRF20, HRF-20

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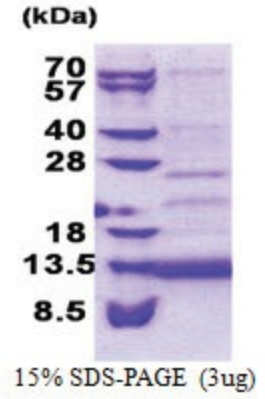
Summary: This gene encodes a cell surface glycoprotein that regulates complement-mediated cell lysis, and it is involved in lymphocyte signal transduction. This protein is a potent inhibitor of the complement membrane attack complex, whereby it binds complement C8 and/or C9 during the assembly of this complex, thereby inhibiting the incorporation of multiple copies of C9 into the complex, which is necessary for osmolytic pore formation. This protein also plays a role in signal transduction pathways in the activation of T cells. Mutations in this gene cause CD59 deficiency, a disease resulting in hemolytic anemia and thrombosis, and which causes cerebral infarction. Multiple alternatively spliced transcript variants, which encode the same protein, have been identified for this gene. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Complement and coagulation cascades, Hematopoietic cell lineage

Product images:



15% SDS-PAGE (3ug)