

Recombinant Human CD59 protein, T7/His-tagged

Cat. No. CD59-76H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human CD59 extracellular domain cDNA (26 - 102 aa) fused with T7-His-TEV cleavage site Tag (29aa) at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	26-102 a.a.
Form	0.50 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
AA Sequence	MASMTGGQQMGRGRHHHHHHGNLYFQGGEFALVQCYNCPNPTADCKTAVNCSSD FDACLITKAGLQVYNKCWKFEH CNFNDVTTRLRENELTYCCRKDLGNFNEQLEN
Purity	>90% by SDS-PAGE
Applications	1. Protein can be used as coating matrix protein for CD59 mediated cell functions and differentiation regulation study in vitro.2. As potential disease diagnosis biomarker protein for breast cancer or systemic lupus.3. As antigen for specific antibody production.
Storage	Keep at -80centigrade for long term storage. Product is stable at 4 centigrade for at least 30 days.

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GENE INFORMATION

Gene Name	CD59 CD59 molecule, complement regulatory protein [Homo sapiens]
Official Symbol	CD59
Synonyms	CD59; CD59 molecule, complement regulatory protein; CD59 antigen p18 20 (antigen identified by monoclonal antibodies 16.3A5, EJ16, EJ30, EL32 and G344) , CD59 antigen, complement regulatory protein , MIC11, MIN1, MIN2, MIN3, MSK21; CD59 glycoprotein; 16.
Gene ID	966
mRNA Refseq	NM_000611
Protein Refseq	NP_000602
MIM	107271
UniProt ID	P13987
Chromosome Location	11p13
Pathway	Arf6 trafficking events, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem;
Function	protein binding;

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