

Recombinant Mouse Cd55 Protein, His-tagged

Cat. No. Cd55-57M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse CD55, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Mouse
Source	Insect Cells
Description	CD55, also known as Complement decay-accelerating factor, GPI-anchored, is a member of the RCA(regulators of complement activation) family characterized by four to 30 SCRs(short consensus repeats) in their plasma-exposed regions. It is physiologically acting as an inhibitor of the complement system, but is also broadly expressed in malignant tumours.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	36.8kDa (336aa)40-57kDa (SDS-PAGE under reducing conditions)
AA Sequence	DCGPPPDIPN ARPILGRHSK FAEQSKVAYS CNNGFKQVPD KSNIVVCLEN GQWSSHETFC EKSCVAPERL SFASLKKEYL NMNFFPVGTVIEYECRPGFR KQPPLPGKAT CLEDLVWSPV AQFCKKKSCP NPKDLDNghi NIPTGILFGS EINFSCNPGY RLVGVSSSTFC SVTGNTVDWDDEFVCTEIH CPEPPKINNG IMRGESDSYT YSQVVTYSCD KGFILVGNAS IYCTVSKSDV GQWSSPPPRC IEKSKVPTKK PTINVPSTGTPSTPQKPTTE SVPNPGDQPT PQKPSTVKVS ATQHVPVTKT TVRHPIRTST DKGEPNTGLE HHHHHH

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Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Purity	>95% by SDS - PAGE
Storage	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20Centigrade or -70Centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.5mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name	Cd55 CD55 antigen [Mus musculus]
Official Symbol	Cd55
Synonyms	CD55; CD55 antigen; Daf; Daf1; Daf-GPI; GPI-DAF
Gene ID	13136
mRNA Refseq	NM_010016
Protein Refseq	NP_034146
MIM	
UniProt ID	
Pathway	Complement Activation, Classical Pathway, organism-specific biosystem; Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Hematopoietic cell lineage, organism-

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specific biosystem; Hematopoietic cell lineage, conserved biosystem; Viral myocarditis, organism-specific biosystem;

Function

enzyme inhibitor activity;

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