

Recombinant mouse CD55/DAF protein

Catalog Number: ATGP3337

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

35-362aa

UniProt No.

Q61475

NCBI Accession No.

NP_034146

Alternative Names

Complement decay-accelerating factor, GPI-anchored, Daf, Daf-GPI, Daf1, GPI-DAF, Cd55

PRODUCT SPECIFICATION

Molecular Weight

36.8 kDa (336aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant mouse CD55, fused to His-tag at C-terminus, was expressed in

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insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

DCGPPPDIPN ARPILGRHSK FAEQSKVAYS CNNGFKQVPD KSNIVVCLN GQWSSHETFC EKSCVAPERL SFASLKKEYL
NMNFFPVGTI VEYECRPGFR KQPPLPGKAT CLEDLVWSPV AQFCKKKSCP NPKDLNNGHI NIPTGILFGS EINFSCNPGY
RLVGVSSSTFC SVTGNTVDWD DEFPVCTEIH CPEPPKINNG IMRGESDSYT YSQVVTYSCD KGFILVGNAS IYCTVSKSDV
GQWSSPPRC IEKSKVPTKK PTINVPSTGT PSTPQKPTTE SVPNPGDQPT PQKPSTVKVS ATQHVPVTKT TVRHPIRTST
DKGEPNTG<LE HHHHHH>

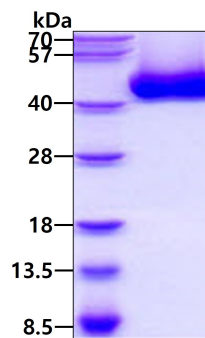
General References

Lea S., et al. (2002) *Biochem Soc Trans.* 30:1014-1019.

Wang Y., et al. (2010) *J Neuroinflammation.* 7:24.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.