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 plasmaexposed 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



insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

DCGPPPDIPN ARPILGRHSK FAEQSKVAYS CNNGFKQVPD KSNIVVCLEN GQWSSHETFC EKSCVAPERL SFASLKKEYL NMNFFPVGTI VEYECRPGFR KQPPLPGKAT CLEDLVWSPV AQFCKKKSCP NPKDLDNGHI NIPTGILFGS EINFSCNPGY RLVGVSSTFC SVTGNTVDWD DEFPVCTEIH CPEPPKINNG IMRGESDSYT YSQVVTYSCD KGFILVGNAS IYCTVSKSDV GQWSSPPPRC 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.