CD55/DAF Protein, Mouse (361a.a, HEK293, His)

Cat. No.:	HY-P75655
Synonyms:	Complement Decay-Accelerating factor; CD55; CR; DAF
Species:	Mouse
Source:	HEK293
Accession:	Q61475 (M1-T361)
Gene ID:	13136
Molecular Weight:	Approximately 60 kDa

PROPERTIES

AA Sequence	M I R G R A P R T R P S P P P P L L P L L S L S L L L L S P T V R G D C G P P P D I P N A R P I L G R H S K F A E Q S K V A Y S C N N G F K Q V P D K S N I V V C L E N G Q W S S H E T F C E K S C V A P E R L S F A S L K K E Y L N M N F F P V G T I V E Y E C R P G F R K Q P P L P G K A T C L E D L V W S P V A Q F C K K K S C P N P K D L D N G H I N I P T G I L F G S E I N F S C N P G Y R L V G V S S T F C S V T G N T V D W D D E F P V C T E I H C P E P P K I N N G I M R G E S D S Y T Y S Q V V T Y S C D K G F I L V G N A S I Y C T V S K S D V G Q W S S P P P R C I E K S K V P T K K P T I N V P S T G T P S T P Q K P T T E S V P N P G D Q P T P Q K P S T V K V S A T Q H V P V T K T T V R H P I R T S T D K G E P N T
Appearance	Solution.
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice

DESCRIPTION

Background	CD55/DAF Protein plays a crucial role in the immune system by recognizing C4b and C3b fragments generated during C4 and C3 activation. Its interaction with cell-associated C4b and C3b polypeptides interferes with their ability to catalyze the conversion of C2 and factor B to enzymatically active C2a and Bb, preventing the formation of C4b2a and C3bBb, the

amplification convertases of the complement cascade. This interference serves as a regulatory mechanism, inhibiting complement activation and preventing the formation of C3 and C5 convertases, thereby mitigating complement-induced damage. CD55/DAF's ability to recognize and modulate complement components underscores its crucial role in immune regulation and the protection of host cells from complement-mediated harm.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA