SUSD4 Protein, Human (HEK293, Fc)

Cat. No.:	HY-P77217
Synonyms:	Sushi domain-containing protein 4
Species:	Human
Source:	HEK293
Accession:	Q5VX71-3 (F42-F290)
Gene ID:	55061
Molecular Weight:	Approximately 60-75 kDa

PROPERTIES

AA Sequence	F G P A Q L T G G F D D L Q V C A D P G I P E N G F R T P S G G V F F E G S V A R F H C Q D G F K L K G A T K R L C L K H F N G T L G W I P S D N S I C V Q E D C R I P Q I E D A E I H N K T Y R H G E K L I I T C H E G F K I R Y P D L H N M V S L C R D D G T W N N L P I C Q G C L R P L A S S N G Y V N I S E L Q T S F P V G T V I S Y R C F P G F K L D G S A Y L E C L Q N L I W S S S P P R C L A L E G G R P E H L F P V L Y F P H I R L A A A V L Y F C P V L K S S P T P A P T C S S T S T T T S L F
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	SUSD4 protein functions as a complement inhibitor by disrupting the formation of the classical C3 convertase. The isoform 3 of SUSD4 specifically inhibits the classical complement pathway, while the membrane-bound isoform 1 plays a role in inhibiting the deposition of C3b through both the classical and alternative complement pathways. These activities underscore the regulatory role of SUSD4 in modulating complement activation and highlight its potential significance in immune response modulation.

Caution: Product has not been fully validated for medical applications. For research use only.

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