

Semaphorin-5A/SEMA5A Protein, Mouse (HEK293, His)

Cat. No.:	HY-P74559
Synonyms:	Semaphorin-5A; Semaphorin-F; Sema F; SEMA5A; SEMAF
Species:	Mouse
Source:	HEK293
Accession:	Q3UPZ0 (E23-T765)
Gene ID:	20356
Molecular Weight:	Approximately 95-110 kDa

PROPERTIES

AA Sequence

ETQDPAKCQR	A E H P V V S Y K E	I G P W L R E F R A	E N A V D F S R L T
F D P G Q K E L V V	G A R N Y L F R L E	L E D L S L I Q A V	E W E C D E A T K K
A C Y S K G K S K E	E C Q N Y I R V L L	V G G D R L F T C G	T N A F T P V C T I
R S L S N L T E I H	D Q I S G M A R C P	Y S P Q H N S T A L	L T A S G E L Y A A
T A M D F P G R D P	A I Y R S L G T L P	P L R T A Q Y N S K	W L N E P N F V S S
Y D I G N F T Y F F	F R E N A V E H D C	G K T V F S R A A R	V C K N D I G G R F
L L E D T W T T F M	K A R L N C S R P G	E V P F Y Y N E L Q	G T F F L P E L D L
I Y G I F T T N V N	S I A A S A V C V F	N L S A I S Q A F N	G P F K Y Q E N S R
S A W L P Y P N P N	P N F Q C G T M D Q	G L Y V N L T E R N	L Q D A Q K F I L M
H E V V Q P V T T V	P S F M E D N S R F	S H L A V D V V Q G	R E T L V H I I Y L
A T D Y G T I K K V	R A P L S Q S S G S	C L L E E I E L F P	E R R S E P I R S L
Q I L H S Q S V L F	V G L Q E H V A K I	P L K R C H F H Q T	R S A C I G A Q D P
Y C G W D A V M K K	C T S L E E S L S M	T Q W D Q S I P T C	P T R N L T V D G S
F G P W S P W T P C	T H T D G T A V G S	C L C R S R S C D S	P A P Q C G G W Q C
E G P R M E I T N C	S R N G G W T P W T	S W S P C S T T C G	I G F Q V R Q R S C
S N P T P R H G G R	V C V G Q N R E E R	Y C N E H L L C P P	H V F W T G W G P W
E R C T A Q C G G G	I Q A R R R T C E N	G P D C A G C N V E	Y Q P C N T N A C P
E L K K T T P W T P	W T P V N I S D N G	G H Y E Q R F R Y T	C K A R L P D P N L
L E V G R Q R I E M	R Y C S S D G T S G	C S T	

Biological Activity

Measured by the ability of the immobilized protein to support the adhesion of PANC-1 human pancreatic cancer cells. The ED₅₀ for this effect is 1.226 µg/mL, corresponding to a specific activity is 815.661 units/mg.

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.

Reconstitution

It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH₂O. 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**

Semaphorin-5A (SEMA5A) Protein lacks conserved residue(s) required for the propagation of feature annotation.

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

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