

Semaphorin-3C/SEMA3C Protein, Human (HEK293, His)

Cat. No.:	HY-P71282
Synonyms:	Semaphorin-3C; Semaphorin-E; Sema E; SEMA3C; SEMAE
Species:	Human
Source:	HEK293
Accession:	Q99985 (G21-S738)
Gene ID:	10512
Molecular Weight:	75-120&27 kDa

PROPERTIES

AA Sequence

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

Appearance

Solution

Formulation

Supplied as a 0.2 µm filter Solution of 20 mM NaH₂PO₄, 150 mM NaCl, 0.1 M Arginine, 0.1 M Glu, 10% Glycerol, 0.01% Tween20, 5% Trehalose, pH 7.4.

Endotoxin Level

<1 EU/µg, determined by LAL method.

Reconstitution

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**

Semaphorin-3C (SEMA3C) protein serves as a pivotal regulator in developmental processes by binding to members of the plexin family. Crucially, SEMA3C is indispensable for normal cardiovascular development in embryogenesis. Its functionality extends to acting as an attractant for growing axons, thereby playing a significant role in axon growth and guidance. In molecular interactions, SEMA3C forms a specific association with PLXND1, highlighting its involvement in intricate cellular signaling pathways that contribute to the orchestration of developmental events.

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

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