SRPX2 Protein, Mouse (Myc, His-SUMO)

Cat. No.:	HY-P71594
Synonyms:	Srpx2; Sushi repeat-containing protein SRPX2
Species:	Mouse
Source:	E. coli
Accession:	Q8R054 (26W-468E)
Gene ID:	68792
Molecular Weight:	Approximately 70.5 kDa

PROPERTIES

AA Sequence	W Y A G S G Y S P D E S Y N E V Y A E E V P A A R A R A L D Y R V P R W C Y T L N I Q D G E A T C Y S P R G G N Y H S S L G T R C E L S C D R G F R L I G R K S V Q C L P S R R W S G T A Y C R Q I R C H T L P F I T S G T Y T C T N G M L L D S R C D Y S C S S G Y H L E G D R S R I C M E D G R W S G G E P V C V D I D P P K I R C P H S R E K M A E P E K L T A R V Y W D P P L V K D S A D G T I T R V T L R G P E P G S H F P E G E H V I R Y T A Y D R A Y N R A S C K F I V K V Q V R R C P I L K P P Q H G Y L T C S S A G D N Y G A I C E Y H C D G G Y E R Q G T P S R V C Q S S R Q W S G T P P V C T P M K I N V N V N S A A G L L D Q F Y E K Q R L L I V S A P D P S N R Y Y K M Q I S M L Q Q S T C G L D L R H V T I I E L V G Q P P Q E V G R I R E Q Q L S A G I I E E L R Q F Q R L T R S Y F N M V L I D K Q G I D R E R Y M E P V T P E E I F T F I D D Y L L S N E E L A R R V E Q R D L C E
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.
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.
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	SRPX2 Protein serves as a ligand for the urokinase plasminogen activator surface receptor, contributing to angiogenesis by

inducing endothelial cell migration and the formation of vascular networks. Additionally, it plays a crucial role in cellular migration and adhesion, elevates phosphorylation levels of FAK (focal adhesion kinase), and interacts with and enhances the mitogenic activity of HGF (hepatocyte growth factor). SRPX2 also participates in synapse formation and is essential for ultrasonic vocalizations. It forms homooligomers and interacts with PLAUR, ADAMTS4, and CTSB, further emphasizing its multifaceted roles in cellular processes and signaling pathways.

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