RISC Protein, Mouse (HEK293, His)

Cat. No.:	HY-P73674
Synonyms:	Retinoid-inducible serine carboxypeptidase; SCPEP1; RISC; SCP1
Species:	Mouse
Source:	HEK293
Accession:	Q920A5 (I29-E452)
Gene ID:	74617
Molecular Weight:	Approximately 50-65 kDa due to the glycosylation.

PROPERTIES

AA Sequence	I D W R E P E G K E V W D Y V T V R K D A H M F W W L Y Y A T N P C K N F S E L P L V M W L Q G G P G G S S T G F G N F E E I G P L D T Q L K P R N T T W L Q W A S L L F V D N P V G T G F S Y V N T T D A Y A K D L D T V A S D M M V L L K S F F D C H K E F Q T V P F Y I F S E S Y G G K M A A G I S V E L Y K A V Q Q G T I K C N F S G V A L G D S W I S P V D S V L S W G P Y L Y S M S L L D N Q G L A E V S D I A E Q V L D A V N K G F Y K E A T Q L W G K A E M I I E K N T D G V N F Y N I L T K S S P E K A M E S S L E F L R S P L V R L C Q R H V R H L Q G D A L S Q L M N G P I K K K L K I I P E D I S W G A Q A S Y V F L S M E G D F M K P A I D V V D K L L A A G V N V T V Y N G Q L D L I V D T I G Q E S W V Q K L K W P Q L S K F N Q L K W K A L Y T D P K S S E T A A F V K S Y E N L A F Y W I L K A G H M V P S D Q G E M A L K M M K L V T K Q E
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
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	The RISC protein emerges as a potential player in maintaining vascular wall and kidney homeostasis, suggesting its likely involvement in regulating key processes within these physiological contexts. Although the precise mechanisms and specific functions of RISC in these tissues are yet to be fully elucidated, its association with vascular and renal homeostasis implies a role in modulating cellular functions critical for the balance and integrity of the vascular wall and kidney. The versatile nature of RISC within these contexts suggests its potential impact on diverse pathways, making it a noteworthy subject for further exploration to uncover its role in the intricate dynamics of vascular and renal physiology.

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