

FAM172A Protein, Human (HEK293, His)

Cat. No.:	HY-P70882
Synonyms:	Protein FAM172A; C5orf21
Species:	Human
Source:	HEK293
Accession:	Q8WUF8 (Q19-L416)
Gene ID:	83989
Molecular Weight:	40-60 kDa

PROPERTIES

AA Sequence	<p>Q I Q Q G G P D E K E K T T A L K D L L S R I D L D E L M K K D E P P L D F P D</p> <p>T L E G F E Y A F N E K G Q L R H I K T G E P F V F N Y R E D L H R W N Q K R Y</p> <p>E A L G E I I T K Y V Y E L L E K D C N L K K V S I P V D A T E S E P K S F I F</p> <p>M S E D A L T N P Q K L M V L I H G S G V V R A G Q W A R R L I I N E D L D S G</p> <p>T Q I P F I K R A V A E G Y G V I V L N P N E N Y I E V E K P K I H V Q S S S D</p> <p>S S D E P A E K R E R K D K V S K E T K K R R D F Y E K Y R N P Q R E K E M M Q</p> <p>L Y I R E N G S P E E H A I Y V W D H F I A Q A A A E N V F F V A H S Y G G L A</p> <p>F V E L M I Q R E A D V K N K V T A V A L T D S V H N V W H Q E A G K T I R E W</p> <p>M R E N C C N W V S S S E P L D T S V E S M L P D C P R V S A G T D R H E L T S</p> <p>W K S F P S I F K F F T E A S E A K T S S L K P A V T R R S H R I K H E E L</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH7.4.
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 ddH ₂ O. 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	FAM172A, a versatile protein, emerges as a crucial player in the intricate landscape of alternative splicing regulation. Its interaction with AGO2 and CHD7 suggests a pivotal role in orchestrating the dynamic interplay between RNA processing and
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chromatin modifications. Beyond its regulatory role in alternative splicing, FAM172A appears to contribute to the stabilization of protein-protein interactions at the chromatin-spliceosome interface, underscoring its multifaceted functions within cellular processes. Additionally, there are indications suggesting potential hydrolase activity, adding another layer to the diverse functions attributed to FAM172A. Within the cellular milieu, FAM172A forms a complex alongside AGO2 and CHD7, implying collaborative efforts in shaping the intricate landscape of RNA processing and chromatin dynamics.

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

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