

BACE1 Protein, Human (HEK293, Fc)

Cat. No.:	HY-P72841
Synonyms:	Beta-secretase 1; ASP2; Memapsin-2; BACE1; BACE; KIAA1149
Species:	Human
Source:	HEK293
Accession:	P56817 (M1-T457)
Gene ID:	23622
Molecular Weight:	100-105 kDa

PROPERTIES

AA Sequence	<pre> MAQALPWL L L WMGAGVLP AH GTQHGI R L P L R S G L G G A P L G L R L P R E T D E E P E E P G R R G S F V E M V D N L R G K S G Q G Y Y V E M T V G S P P Q T L N I L V D T G S S N F A V G A A P H P F L H R Y Y Q R Q L S S T Y R D L R K G V Y V P Y T Q G K W E G E L G T D L V S I P H G P N V T V R A N I A A I T E S D K F F I N G S N W E G I L G L A Y A E I A R P D D S L E P F F D S L V K Q T H V P N L F S L Q L C G A G F P L N Q S E V L A S V G G S M I I G G I D H S L Y T G S L W Y T P I R R E W Y Y E V I I V R V E I N G Q D L K M D C K E Y N Y D K S I V D S G T T N L R L P K K V F E A A V K S I K A A S S T E K F P D G F W L G E Q L V C W Q A G T T P W N I F P V I S L Y L M G E V T N Q S F R I T I L P Q Q Y L R P V E D V A T S Q D D C Y K F A I S Q S S T G T V M G A v i M E G F Y V V F D R A R K R I G F A V S A C H V H D E F R T A A V E G P F V T L D M E D C G Y N I P Q T D E S T L M T </pre>
Biological Activity	Measured by its ability to cleave a fluorogenic peptide substrate Mca-SEVNLDAEFRK(Dpn)RR-NH ₂ and the specific activity is >0.5 pmoles/min/μg.
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 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. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

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

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