

Datasheet for ABIN7536320 **APP Protein (His tag)**



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Overview

Quantity:	100 µg
Target:	APP
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This APP protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Human APP Protein
Sequence:	MLPGLALLLL AAWTARALEV PTDGNAGLLA EPQIAMFCGR LNMHMNVQNG KWSDSPSGTK TCIDTKEGIL QYCQEVYPEL QITNVVEANQ PVTIQNWCKR GRKQCKTHPH FVIPYRCLVG EFVSDALLVP DKCKFLHQR MDVCETHLHW HTVAKETCSE KSTNLHDYGM LLPCGIDKFR GVEFVCCPLA EESDNVDSAD AEEDSDVWW GGADTDYADG SEDKVVEVAE EEEVAEVEEEE EADDDDEDDED GDEVEEEAEE PYEEATERTT SIATTTTTTTT ESVEEVVREV CSEQAETGPC RAMISRWYFD VTEGKCAPFF YGGCGGNRNN FDTEEYCMVAV CGSAMSQSLL KTTQEPLARD PVKLPPTAAS TPDAVDKYLE TPGDENEHAH FQKAKERLEA KHRERMSQVM REWEEAERQA KNLPKADKKA VIQHFQEKVE SLEQEAANER QQLVETHMAR VEAMLNDRRR LALENYITAL QAVPPRPRHV FNMLKKYVRA EQKDRQHTLK HFEHVRMVDV KKAQAIRSQV MTHLRVIYER MNQSLSLLYN VPAVAEEIQD EVELLQKEQ NYSDDVLANM ISEPRISYGN DALMPSLTET KTTVELLPVN GEFSLDDLQP WHSFGADSVV ANTENEVEPV DARPAADRGL TTRPGSGLTN IKTEEISEVK MDAEFRHDSG YEVHHQK

Product Details

Specificity:	Met1-Lys687
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<0.1EU/µg
Biological Activity Comment:	Measured by its ability to inhibit trypsin cleavage of a fluorogenic peptide substrate, Mca-RPKPVE-Nval-WRK(Dnp)-NH ₂ . The IC ₅₀ value is < 0.24 nM.

Target Details

Target:	APP
Alternative Name:	APP (APP Products)
Background:	<p>Description: Amyloid β precursor-like protein 2 (APLP2) has been determined to serve an important role in the progression of a number of cancer types. APLP2 expression was significantly associated with disease-specific survival (P<0.001). APLP2 may be used to potentially predict patient prognosis, and to guide clinical diagnosis and treatment in CCRCC.</p> <p>Name: AAA, AD1, PN2, ABPP, APPI, CVAP, ABETA, PN-II, preA4, CTFgamma, alpha-sAPP,APP</p>
Gene ID:	351
UniProt:	P05067
Pathways:	Caspase Cascade in Apoptosis , EGFR Signaling Pathway , Transition Metal Ion Homeostasis , Skeletal Muscle Fiber Development , Toll-Like Receptors Cascades , Feeding Behaviour

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Concentration:	0.6 mg/mL

Handling

Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for 12 months. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.