



Recombinant Human APP Protein Product Manual

1. Product Basic Information

Product No.: REP06157

Protein Name: Protease Nexin-II (APP)

Aliases: AAA; AD1; PN2; ABPP; APPI; CVAP; ABETA; PN-II; preA4; CTFgamma; alpha-sAPP; protease nexin-II; peptidase nexin-II; beta-amyloid peptide; amyloid beta A4 protein; amyloid precursor protein; beta-amyloi...

UniProt ID: P05067

UniProt Link: <https://www.uniprot.org/uniprotkb/P05067/entry>

Species Source: Homo sapiens (Human)

Expression System: Mammalian cell

Protein Length: Partial (18-652aa)

Molecular Weight: 73.3 kDa

Protein Tag: C-terminal 10xHis-tagged

2. Amino Acid Sequence (18-652aa)

LEVPTDGNAGLLAEPQIAMFCGRLNMHMNVQNGKWDS DPSG TKTCIDTKEGILQY
CQEVYPELQITNVVEANQPVTIQNWCKRGRKQCKTHPHFVIPYRCLVGEFVSDALL
VPDKCKFLHQERMDVCETHLHWHTVAKETCSEKSTNLHDYGMLLPCGIDKFRGVE
FVCCPLAEESDNVDSADAEEDSDVWWGGADTDYADGSEDKVVEVAEEEEVAEV
EEEEADDEDDEDGDEVEEEAEPEYEEATERTTSIATTTTTTTESVEEVVREVCSE
QAETGPCRAMISRWFYFDVTEGKCAPFFYGGCGGNRNNFDTEEYCMVCGSAMSQ
SLLKTTQEPLARDPVKLPTTAASTPDAVDKYLETPGDENEHAHFQKAKERLEAKHR
ERMSQVMREWEEAERQAKNLPKADKKAVIQHFQEKVESLEQEAAANERQQLVETH
MARVEAMLNDRRLALENYITALQAVPPRPRHVFNMLKKYVRAEQKDRQHTLKH
EHVRMVDPKKAAQIRSQVMTHLRVIYERMNQSLSLLYNVPVAEEIQDEVDELLQK
EQNYSDDVLNMISEPRISYGNDALMPSLTETKTTVELLPVNGEFSLDDLQPWHSF
GADSV PANTENEVEPVDARPAADRGLTT

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom



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glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human APP partial protein (18-652aa) expressed in Mammalian cell. The protein is with 10xHis tag at the C-terminus, which facilitates protein purification, detection and identification. APP, also known as AAA or AD1 or PN2, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.