

## Recombinant Human APPL2, His-tagged

**Cat. No.** APPL2-1003H    **Lot. No.** (See product label)

### SPECIFICATION

**Product Overview**      Recombinant Human APPL2 was produced in *E. Coli* containing 699 AA, N-terminal His-tag and the protease cleavage site, 36 extra AA.

**Species**                      Human

**Source**                        E.coli

**Description**                APPL2, also termed as Adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 2, has been shown to be involved in the regulation of cell proliferation, and in the crosstalk between the adiponectin signalling and insulin signalling pathways. The encoded protein binds many other proteins, including RAB5A, APPL1, adiponectin receptors, and proteins of the NuRD/MeCP1 complex.

**Amino Acid Sequence**

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MSYYHHHHHH DYDIPTTENL YFQGAMGSGI QRPTSTPAVD KLLLEEALQD
SPQTRSLLSV FEEDAGTLTD YTNQLLQAMQ RVYGAQNEMC LATQQLSKQL
LAYEKQNFAL GKGDEEVIST LHYFSKVVE LLLHTELAQ QLADTMVLP
IQFREKDLTE VSTLKDLFGL ASNEHDLSMA KYSRLPKKKE NEKVKTEVGK
EVAAARRKQH LSSLQYYCAL NALQYRKQMA MMEPMIGFAH GQINFFKKGA
EMFSKRMSDF LSSVADMVQS IQVELEAEAE KMRVSQQELL SVDESVYTPD
SDVAAPQINR NLIQKAGYLN LRNKTGLVTT TWERLYFFTQ GGNLMCQPRG
AVAGGLIQDL DNCSVMAVDC EDRRYCFQIT TPNGKSGIIL QAESRKENEE
WICAINNISR QIYLTDNPEA VAIKLNQTAL QAVTPITSFG KKQESSCPSQ
NLKNSEMENE NDKIVPKATA SLPEAEELIA PGTPIQFDIV LPATEFLDQN
RGSRRTPFG ETEDESFP EA EDSLLQQMFI VRFLGSMVAVK TDSTTEVIYE
    
```

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AMRQVLAARA IHNIFRMTES HLMVTSQSLR LIDPQTQVSR ANFELTSVTQ  
 FAAHQENKRL VGFVIRVPES TGEESLSTYI FESNSEGEKI CYAINLGKEI  
 IEVQKDPEAL AQLMLSIPLT NDGKYVLLND QPDDDDGNPN EHRGAESEA

**Form** Filtered (0.22 µm) and lyophilized in 1 mg/mL in PBS.

**Purity** >98%.

**Applications** ELISA, Western blotting, Immunoprecipitation.

**Quality Control Test** BCA to determine quantity of the protein. SDS PAGE to determine purity of the protein.

**Reconstitution** Add deionized water to prepare a working stock solution of approximately 1 mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

**Storage** Store lyophilized protein at -20°C. Lyophilized protein remains stable until the expiry date when stored at -20°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

## GENE INFORMATION

**Gene Name** [APPL2 adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 2 \[ Homo sapiens \]](#)

**Synonyms** APPL2; adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 2; DIP13B; FLJ10659; DIP13 beta; adaptor protein containing PH domain, PTB domain and leucine zipper motif 2; DCC-interacting protein 13-beta; Dip13-beta;

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Dip13-beta; leucine zipper motif 2

**Gene ID** 55198

**mRNA Refseq** NM\_018171

**Protein Refseq** NP\_060641

**MIM** 606231

**UniProt ID** Q8NEU8

**Chromosome Location** 12q24.1

**Function** protein binding

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