

Recombinant Human APPL2

Cat. No. APPL2-1002H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant Human APPL2 was produced in *Insect*.

Species Human

Source Insect Cells

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

GAMGSGIQRP MPAVDKLLLE EALQDSPQTR SLLSVFEEDA GTLTDYTNQL
 LQAMQRVYGA QNEMCLATQQ LSKQLLAYEK QNFALGKGDE EVISTLHYFS
 KVVDELNLLH TELAKQLADT MVLPIIQFRE KDLTEVSTLK DLFGLASNEH
 DLMAKYSRL PKKKENEKVK TEVGKEVAAA RRKQHLSSLQ YYCALNALQY
 RKQMAMMEPM IGFAHGQINF FKKGAEMFSK RMDSFLSSVA DMVQSIQVEL
 EAEAEKMRVS QQELLSVDES VYTPDSDVAA PQINRNLIQK AGYLNLRNKT
 GLVTTTWERL YFFTQGGNLM CQPRGAVAGG LIQDLNCSV MAVDCEDRRY
 CFQITTPNGK SGILQAESR KENEEWICAI NNISRQIYLT DNPEAVAIKL
 NQTALQAVTP ITSFGKKQES SCPSQNLKNS EMENENDKIV PKATASLPEA
 EELIAPGTPI QFDIVLPATE FLDQNRGSRR TNPFGETEDE SFPEAEDSLL
 QQMFIVRFLG SMAVKTDSTT EVIYEAMRQV LAARAIHNIF RMTESHLMVT
 SQSLRLIDPQ TQVSRANFEL TSVTQFAAHQ ENKRLVGFVI RVPESTGEES

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LSTYIFESNS EGEKICYAIN LGKEIIEVQK DPEALALML SIPLTNDGKY
VLLNDQPDDD DGNPNEHRGA ESEA

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; Dip13-beta; leucine zipper motif 2

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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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