

Recombinant Human APPL2, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human APPL2 was produced in <i>E. Coli</i> 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	MSYYHHHHHH DYDIPTTENL YFQGAMGSGI QRPTSTPAVD KLLLEEALQD SPQTRSLLSV FEEDAGTLTD YTNQLLQAMQ RYGAQNECM LATQQLSKQL LAYEKQNFAL GKGDEEVIST LHYFSKVVDL LNLHTELAQLADTMVLPI IQFREKDLTE VSTLKDLFGL ASNEHDLSMA KYSRLPKKKE NEKVKTEVGK EVAAARRKQH LSSLQYYCAL NALQYRKQMA MMEPMIGFAH GQINFFKKGA EMFSKRMDSF LSSVADMVQS IQVELEAEAE KMRVSQQELL SVDESVYTPD SDVAAPQINR NLIQKAGYLN LRNKTGLVTT TWERLYFFTQ GGNLMCQPRG AVAGGLIQDL DNCSVMAVDC EDRRYCFQIT TPNGKSGIIL QAESRKENEE WICAINNISR QIYLTDNPEA VAIKLNQTAL QAVTPITSFG KKQESSCPSQ NLKNSEMENE NDKIVPKATA SLPEAEELIA PGTPIQFDIV LPATEFLDQN RGSRRTNPFGE ETEDESFP EA EDSLLQQMFI VRFLGSMVAVK TDSTTEVIYE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

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;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA