

Recombinant Human APPL2

Cat. No. APPL2-28350TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein, corresponding to amino acids 1-644 of Human DIP13B with N terminal tag ; 654 amino acids, predicted MW 74kDa, expressed in insect cells;
Species	Human
ProteinLength	1-644 a.a.
Description	The protein encoded by this gene is one of two effectors of the small GTPase RAB5A/Rab5, which are involved in a signal transduction pathway. Both effectors contain an N-terminal Bin/Amphiphysin/Rvs (BAR) domain, a central pleckstrin homology (PH) domain, and a C-terminal phosphotyrosine binding (PTB) domain, and they bind the Rab5 through the BAR domain. They are associated with endosomal membranes and can be translocated to the nucleus in response to the EGF stimulus. They interact with the NuRD/MeCP1 complex (nucleosome remodeling and deacetylase /methyl-CpG-binding protein 1 complex) and are required for efficient cell proliferation. A chromosomal aberration t(12;22)(q24.1;q13.3) involving this gene and the PSAP2 gene results in 22q13.3 deletion syndrome, also known as Phelan-McDermid syndrome.
Form	Lyophilised: Add 100µl of 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 use. Aliquot r

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Storage buffer	Preservative: None Constituents: PBS
Storage	Shipped at 4°C. Store at -20oC.
Sequences of amino acids	GAMGSGIQRP MPAVDKLLLE EALQDSPQTR SLLSVFEEDA GTLTDYTNQL LQAMQRVYGA QNEMCLATQQ LSKQLLAYEK QNFALGKGDE EVISTLHYFS KVVDELNLLH TELAKQLADT MVLPIIQFRE KDLTEVSTLK DLFGLASNEH DLSMAKYSRL PKKKENЕКVK 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 RMTESHLMT SQSLRLIDPQ TQVSRANFEL TSVTQFAAHQ ENKRLVGFVI RVPESTGEES LSTYIFESNS EGEKICYAIN LGKEIIEVQK DPEALAQML SIPLTNDGKY VLLNDQPDDD DGNPNEHRGA ESEA
Full Length	Full L.
GENE INFORMATION	
Gene Name	APPL2 adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 2 [Homo sapiens]
Official Symbol	APPL2
Synonyms	APPL2; adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 2; DCC-interacting protein 13-beta; DIP13B; FLJ10659;

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Gene ID	55198
mRNA Refseq	NM_018171
Protein Refseq	NP_060641
MIM	606231
Uniprot ID	Q8NEU8
Chromosome Location	12q24.1
Pathway	EGFR1 Signaling Pathway, organism-specific biosystem;
Function	protein binding;

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