Recombinant Human APPL1, His-tagged

Cat. No. APPL1-26345TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein, corresponding to amino acids 1-709 of Human APPL with an N terminal His tag. Predicted Mwt: 81 kDa;
Species	Human
Source	E.coli
ProteinLength	1-709 a.a.
Description	The protein encoded by this gene 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, DCC, AKT2, PIK3CA, adiponectin receptors, and proteins of the NuRD/MeCP1 complex. This protein is found associated with endosomal membranes, but can be released by EGF and translocated to the nucleus.
Conjugation	HIS
Tissue specificity	High levels in heart, ovary, pancreas and skeletal muscle.
Form	Lyophilised:Add 100 µl of deionized water to prepare a working stock solution ofapproximately 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. Aliquo
Storage buffer	Preservative: NoneConstituents: PBS

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MSYYHHHHHH DYDIPTTENL YFQGAMGSGI QPGIDKLPIE ETLEDSPQTR SLLGVFEEDA TAISNYMNQL YQAMHRIYDA QNELSAATHL TSKLLKEYEK QRFPLGGDDE VMSSTLQQFS KVIDELSSCH AVLSTQLADA MMFPITQFKE RDLKEILTLK EVFQIASNDH DAAINRYSRL SKKRENDKVK YEVTEDVYTS RKKQHQTMMH YFCALNTLQY KKKIALLEPL LGYMQAQISF FKMGSENLNE QLEEFLANIG TSVQNVRREM DSDIETMQQT IEDLEVASDP LYVPDPDPTK FPVNRNLTRK AGYLNARNKT GLVSSTWDRQ FYFTQGGNLM SQARGDVAGG LAMDIDNCSV MAVDCEDRRY CFQITSFDGK KSSILQAESK KDHEEWICTI NNISKQIYLS ENPEETAARV NQSALEAVTP SPSFQQRHES LRPAAGQSRP PTARTSSSGS LGSESTNLAA LSLDSLVAPD TPIQFDIISP VCEDQPGQAK AFGQGGRRTN PFGESGGSTK SETEDSILHQ LFIVRFLGSM EVKSDDHPDV VYETMRQILA ARAIHNIFRM TESHLLVTCD CLKLIDPQTQ VTRLTFPLPC VVLYATHQEN KRLFGFVLRT SSGRSESNLS SVCYIFESNN EGEKICDSVG LAKQIALHAE LDRRASEKQK EIERVKEKQQ KELNKQKQIE KDLEEQSRLI AASSRPNQAS SEGQFVVLSS SQSEESDLGEGGKKRESEA
Sequence Similarities	Contains 1 PH domain.Contains 1 PID domain.
Full Length	Full L.

GENE INFORMATION

Gene Name	APPL1 adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 1 [Homo sapiens]
Official Symbol	APPL1

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Synonyms	APPL1; adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 1; DCC-interacting protein 13-alpha; APPL;
Gene ID	26060
mRNA Refseq	NM_012096
Protein Refseq	NP_036228
MIM	604299
Uniprot ID	Q9UKG1
Chromosome Location	3p21.1-p14.3
Pathway	Androgen Receptor Signaling Pathway, organism-specific biosystem; Apoptosis, organism-specific biosystem; Colorectal cancer, organism-specific biosystem; Colorectal cancer, conserved biosystem; Coregulation of Androgen receptor activity, organism-specific biosystem;
Function	protein binding; protein kinase B binding;

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