

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 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. Aliquo
Storage buffer	Preservative: None Constituents: 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 QPGIDKLP IE ETLEDSPQTR
 SLLGVFEEDA TAISNYMNQL YQAMHRIYDA QNELSAATHL TSKLLKEYEK
 QRFPLGGDDE VMSSTLQQFS KVIDELSSCH AVLSTQLADA MMFPITQFKE
 RDLKEILTLK EVFQIASNDH DAAINRYSRL SKKRENDKVK YEVTEDVYTS
 RKKQHQTMMH YFCALNTLQY KKKIALLEPL LGYMQAQISF FKMGSENLNE
 QLEEFLANIG TSVQNVRRREM DSDIETMQQT IEDLEVASDP LYVPDPDPTK
 FPNVRNLTRK AGYLNARNKT GLVSSTWDRQ FYFTQGGNLM SQARGDVAGG
 LAMDIDNCSV MAVDCEDRRY CFQITSFDGK KSSILQAESK KDHEEWICTI
 NNISKQIYLS ENPEETAARV NQSALEAVTP SPSFQQRHES LRPAAGQSRP
 PTARTSSSGS LGSESTNLAA LSLDSLVPD TPIQFDIISP VCEDQPGQAK
 AFGQGGRRTN PFGESGGSTK SETEDSILHQ LFIVRFLGSM EVKSDDHPDV
 VYETMRQILA ARAIHNI FRM 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;