

Recombinant Human APPL2 protein, GST-tagged

Cat. No. APPL2-726H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human APPL2 full-length ORF (AAH33731.1, 1 a.a. - 664 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Oct 2011]
Molecular Mass	100.9 kDa
AA Sequence	MPAVDKLLLEEALQDSPQTRSLLSVFEEDAGTLTDYTNQLLQAMQRVYGAQNEMCL ATQQLSKQLLAYEKQNFALGKGDEEVISTLHYFSKVVDLNLHTELAQLADTMVL PIIQFREKDLTEVSTLKDLFGLASNEHDLMAKYSRLPKKKENEKVKTEVGKEVAAAR

 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

RKQHLSSLQYYCALNALQYRKQMAMMEPMIGFAHGQINFFKKGAE MFSKRMD SFL
 SSVADMVQSIQVELEAEAEKMRVSQQELLSVDES VYTPDSDVAAPQINRNLIQKAGY
 LNLRNKTGLVTTTWERLYFFTQGGNLMCQPRGAVAGGLIQDLDNCSVMAVDCEDR
 RYCFQITTPNGKSGIILQAESRKENE EWICAINNISRQIYLTDNPEAVA IKLNTALQAV
 TPITSFGKKQE SSCPSQNLKNSE MENENDKIVPKVTASLPEAEELIAPGTPIQFDIVLP
 ATEFLDQNRGSRRTNPFGETEDES FPEAEDSLLQQMFIVRFLGSM AVKTDSTTEVIY
 EAMRQVLAARAIHNIFRMTESHLMTS QSLRLIDPQTQVSRANFELTSVTQFAAHQE
 NKRLVG FVIRVPESTGEESLSTYIFESNSEGEKICYAINLGKEIIEVQKDPEALAQLMLS
 IPLTNDGKYVLLNDQPDDDDGNPNEHRGA ESEA

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; DIP13 beta;
 adapter protein containing PH domain, PTB domain and leucine zipper motif 2;

Gene ID

55198

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

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

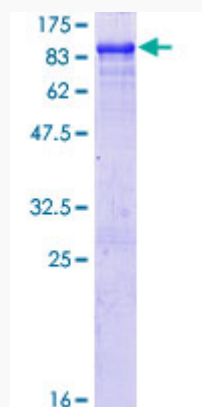
 45-1 Ramsey Road, Shirley, NY 11967, USA

mRNA Refseq NM_001251904

Protein Refseq NP_001238833

MIM 606231

UniProt ID Q8NEU8



12.5% SDS-PAGE Stained with Coomassie Blue.

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