

Product datasheet for SC212262

DIP13B (APPL2) (NM_018171) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	DIP13B (APPL2) (NM_018171) Human 3' UTR Clone
Symbol:	DIP13B
Synonyms:	DIP13B
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_018171
Insert Size:	1044 bp
Insert Sequence:	>SC212262 3'UTR clone of NM_018171 The sequence shown below is from the reference sequence of NM_018171. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GAACATAGAGGGCGAGAATCCGAAGCATAACTCACTTGCGCCTGTGGGGGAAGAGCAAACAGGAAGGAG
AGCTACCTCCTAAGGGTTTTAACGTCTCTGACATACAGGCACACTGACCTGATTTCCGAAGGCTGACAA
TCGTTTGTGGAATGTAATCTTGATGCCTTGATACTGAGACTTGGGAGGGAACTAAGAAATGGTTGACA
GCGTCCCACCCATCTACAATGTTATTTTAGGTGCTTTGTGGTAAGTCTTTTTTCTTAGATTGCGCTAA
AATTTCTTAGATTGTTTCAGCGCTCAGAACAAAAGTTTGAAAAATGCATTGTTTCATATGAATGTCATCTC
TTTTCAGTTTCCAGTATCCTTTTTAAAAAATGGCAAAAGCCTAGATTTACAATTTGATGAACACTAAAT
ATTTCTTATTAATATAATCTATTTTTGTATTTACTTAATGAGCTTTAAGTGCCTGTCGTTCTGAAAAT
TGTGTATTTATAATTCAGCTTATCTCATAATTGGACCTAATAGCATTTCTTTGTGCAGTTAGGTGATGA
GCACTGCTTTGAGGCCAAGCACTAGTAGAGATGCGCGATACAGGTCTAGTTTCGGTAACTGTTCCAGA
CATCAAGCAATAAAAAATGAATACCACAAAAGATGTTTGATTTTACAGTGGAGCCTTACTGAACCAGC
ATTCAGAAGTTTAAGTCTCCTAGGTATGAGTATTTTAGTAGTGGATCACTGTGGACAGGGTGCAGC
TCTACCAAGTTCCGTTTCTCTGAGCCAGACCCTCTTCAGGGAAGGGACCAATTAATTTTAAAACCTCAC
TTGAAGCACAGCTGGTCATGGGGCTTGGTATAAAGTTCCTATTTCCACCCTGATACTTCCAATTCCTGG
AACCCAGCCCACTCCCCATCCCTCCTCCCTATCAAAGTATAATGATTTTGAATCGGTACAGTGT
GTTTAACTGTAACAAAGTTCAACAGACTATTATTATCTTTGTAATAAATTAACCTAGCAATAAAAAATA
TTCTGTTTC
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCCTTCTATGAAAGG

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Restriction Sites: Sgfl-MluI



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_018171.5
Summary:	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]
Locus ID:	55198
MW:	39.8