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Product datasheet for SC301065

ERBIN (NM_001006600) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ERBIN (NM_001006600) Human Untagged Clone
Tag:	Tag Free
Symbol:	ERBIN
Synonyms:	ERBB2IP; HEL-S-78; LAP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301065 representing NM_001006600. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACTACAAAACGAAGTTTGTTTGTGCGGTTGGTACCATGTCGCTGTCTACGAGGGGAAGAGGAGACT
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CAGAATACAGTTGAACTCATCATTGTACGAGAAGTTTCCTCATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
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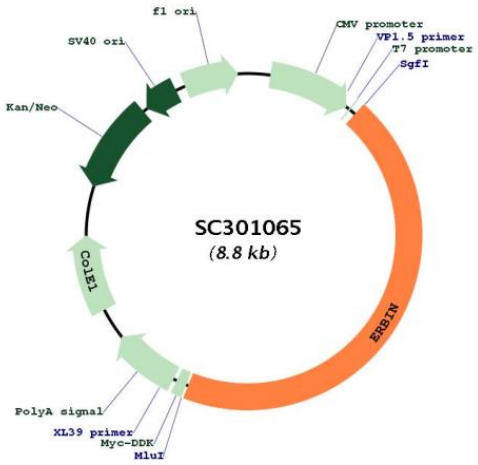
Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN:	NM_001006600
Insert Size:	3909 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001006600.2
RefSeq Size:	6712 bp
RefSeq ORF:	3909 bp
Locus ID:	55914
UniProt ID:	Q96RT1
Cytogenetics:	5q12.3
Protein Families:	Druggable Genome
Protein Pathways:	NOD-like receptor signaling pathway
MW:	146.1 kDa
Gene Summary:	This gene is a member of the leucine-rich repeat and PDZ domain (LAP) family. The encoded protein contains 17 leucine-rich repeats and one PDZ domain. It binds to the unphosphorylated form of the ERBB2 protein and regulates ERBB2 function and localization. It has also been shown to affect the Ras signaling pathway by disrupting Ras-Raf interaction. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011] Transcript Variant: This variant (7) lacks two consecutive exons in the 3' coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (7) is shorter than isoform 1.