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Product datasheet for SC324440

EPB41L1 (NM_177996) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EPB41L1 (NM_177996) Human Untagged Clone
Tag:	Tag Free
Symbol:	EPB41L1
Synonyms:	4.1N; MRD11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_177996.1

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CAGAATTGTTGGGCTTCATCTTGGCTCTGTGCTGCCTGGAGGGGAGACCTAGGATAGGCT
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TTAAAATAAACAGTGCTGGTAAGTATGAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_177996

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_177996.1, NP_818932.1
RefSeq Size:	5863 bp
RefSeq ORF:	2340 bp
Locus ID:	2036
UniProt ID:	Q9H4G0
Cytogenetics:	20q11.23
Protein Families:	Druggable Genome
Protein Pathways:	Tight junction
Gene Summary:	Erythrocyte membrane protein band 4.1 (EPB41) is a multifunctional protein that mediates interactions between the erythrocyte cytoskeleton and the overlying plasma membrane. The encoded protein binds and stabilizes D2 and D3 dopamine receptors at the neuronal plasma membrane. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2015] Transcript Variant: This variant (2) has a different 5' UTR and multiple coding region differences compared to variant 1. The resulting isoform (b) has a shorter N-terminus and lacks two in-frame segments compared to isoform a. Variants 2 and 5 both encode the same isoform (b). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.