

Product datasheet for SC324722

BRP44 (MPC2) (NM_001143674) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRP44 (MPC2) (NM_001143674) Human Untagged Clone
Tag:	Tag Free
Symbol:	BRP44
Synonyms:	BRP44; SLC54A2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC324722 representing NM_001143674. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGTCGGCCGCCGGTGCCGAGGCCTGCGGGCCACCTACCACGGCTCCTCGATAAAGTGGAGCTGATG
 CTGCCCCGAGAAATTGAGGCCGTTGTACAACCATCCAGCAGGTCCCAGAACAGTTTCTTCTGGGCTCCA
 ATTATGAAATGGGGTGGTGTGTGCTGGATTGGCTGATATGGCCAGACCTGCAGAAAACTTAGCACA
 GCTCAATCTGCTGTTTGTATGGCTACAGGGTTATTTGGTCAAGATACTCACTTGTAAATTATTCAAAA
 AATTGGAGTCTGTTTGTGTTAATTTCTTGTGGGGCAGCAGGAGCCTCTCAGCTTTTCGTATTGG
 AGATATAACCAAGAACTAAAAGCTAAAGCACACAAATAA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001143674
Insert Size:	384 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.


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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:	<ol style="list-style-type: none">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:	<u>NM_001143674.3</u>
RefSeq Size:	2220 bp
RefSeq ORF:	384 bp
Locus ID:	25874
UniProt ID:	<u>O95563</u>
Cytogenetics:	1q24.2
MW:	14.3 kDa
Gene Summary:	<p>Mediates the uptake of pyruvate into mitochondria.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes a functional protein. Variants 1 and 2 encode the same protein. 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.</p>