

Product datasheet for SC322229

LACTB2 (NM_016027) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: LACTB2 (NM_016027) Human Untagged Clone
Tag: Tag Free
Symbol: LACTB2
Synonyms: CGI-83
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for SC322229
 ACTCGCTATCCCCGGCCTGTTGGCTTCTTCCGCGCTGGAGTATCCAGATAGGCGACACGC
 CGGCGGGCGGCTGAGGCGGGAATGGCTGCTGACTGCAGCGCGTCGAGCGGCTGTCCAAT
 CGAGTCGTGCGTGTGTTGGGCTGTAACCCGGGTCCCATGACCCTCCAAGGCACCAACACC
 TACCTAGTGGGGACCGGCCCCAGGAGAATCCTCATTGACACTGGAGAACCAGCAATTCCA
 GAATACATCAGCTGTTTAAAGCAGGCTCTAACTGAATTTAACACAGCAATCCAGGAAATT
 GTAGTGACTCACTGGCACCAGATCATTCTGGAGGCATAGGAGATATTTGTTAAAAGCATC
 AATAATGACACTACCTATTGCATTAATAAACTCCACGGAATCCTCAGAGAGAAGAAATT
 ATAGGAAATGGAGAGCAACAATATGTTTATCTGAAAGATGGAGATGTGATTAAGACTGAG
 GGAGCCACTCTAAGAGTTCTATATACCCCTGGCCACACTGATGATCACATGGCTCTACTC
 TTAGAAGAGGAAAATGCTATCTTTTCTGGAGATTGCATCCTAGGGGAAGGAACAACGGTA
 TTTGAAGACCTCTATGATTATATGAACTCTTTAAAAGAGTTATTGAAAATCAAAGCTGAT
 ATTATATATCCAGGACATGGCCCAGTAATTCATAATGCTGAAGCTAAAATTCAACAATAC
 ATTTCTCACAGAAATATTCGAGAGCAGCAAATCTTACATTATTTTCGTGAGAACTTTGAG
 AAATCATTTACAGTAATGGAGCTTGTAATAATTTTACAAGAATACTCCTGAGAATTTA
 CATGAAATGGCTAAACATAATCTCTTACTTCATTTGAAAAACTAGAAAAAGAAGAAAA
 ATATTTAGCAACACAGATCCTGACAAGAAATGGAAGCTCATCTTTAGTTTCAGATTTAA
 GAAAGCTTTGTTTTATTTTGCTTTGAGAGAATGGTATGTTTTCTAACTATAGGTTATTT
 TATAGAGAATATAAAAGTATAAAACATTAATAAATTAACCCCTAGAAAAA

Restriction Sites: Please inquire
ACCN: NM_016027



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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:	<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_016027.1, NP_057111.1</u>
RefSeq Size:	1506 bp
RefSeq ORF:	867 bp
Locus ID:	51110
UniProt ID:	<u>Q53H82</u>
Cytogenetics:	8q13.3
Gene Summary:	Endoribonuclease; cleaves preferentially 3' to purine-pyrimidine dinucleotide motifs in single-stranded RNA. The cleavage product contains a free 3' -OH group. Has no activity with double-stranded RNA or DNA. Required for normal mitochondrial function and cell viability. [UniProtKB/Swiss-Prot Function]