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Product datasheet for SC125277

DAP13 (NDUFA12) (NM_018838) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DAP13 (NDUFA12) (NM_018838) Human Untagged Clone
Tag:	Tag Free
Symbol:	DAP13
Synonyms:	B17.2; DAP13; MC1DN23
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC125277 sequence for NM_018838 edited (data generated by NextGen Sequencing) ATGGAGTTAGTGCAGGTCCTGAAACGCGGGCTGCAGCAGATCACCGGCCACGGCGGTCTC CGAGGCTATCTACGGGTTTTTTTCAGGACAAATGATGCGAAGGTTGGTACATTAGTGGGG GAAGACAAATATGGAAACAAATACTATGAAGACAACAAGCAATTTTTTGGCCGTCACCGA TGGGTTGTATATACTACTGAAATGAATGGCAAAAACACATTCTGGGATGTGGATGGAAGC ATGGTGCCTCCTGAATGGCATCGTTGGCTTCACAGTATGACTGATGATCCTCCAACAACA AAACCACTTGCTGCTCGTAAATTCATTTGGACGAACCATAAATTCAACGTGACTGGCACC CCAGAACAATATGTACCTTATTCTACCACTAGAAAGAAGATTCAGGAGTGGATCCCACCT TCAACACCTTACAAGTAA Clone variation with respect to NM_018838.3 310 a=>g
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_018838 unedited CATTTTGTAATACGACTCACTATAGGGCGGCCGCGAATTCGGCCATTACGGCCGGGGGAG GCGGGGCCAGCGAGGCAAGATGGAGTTAGTGCAGGTCCTGAAACGCGGGCTGCAGCAGAT CACCGGCCACGGCGGTCTCCGAGGCTATCTACGGGTTTTTTTCAGGACAAATGATGCGAA GGTTGGTACATTAGTGGGGGAAGACAAATATGGAAACAAATACTATGAAGACAACAAGCA ATTTTTTGGCCGTCACCGATGGGTTGTATATACTACTGAAATGAATGGCAAAAACACCAA TTCTGGGATGTGGATGGAAGCATGTGCCTCCTGAATGCATCGTTGGCTTCACAGTATGAC TGATGATCCTCCAACAACAAAACCACTTGCTGCTCGTAAATTCATTTGGACGAACCATAA ATTCAACGTGACTGGCACCCCAGAACAATATGTACCTTATTCTACCACCTAAAAGAAATT CNGAGTGATCCACTTCACACTTACAGTAAGACATGAGACAGTGAACATCAAATATGAGCT TTCAGTATACTCTTTACTGTACCATCACTATATCACATTAAATGGTGACAAAAAAAAAAA AAAAAAAAAACTGTCGCGC
Restriction Sites:	Please inquire

View online »

ACCN:	NM_018838
Insert Size:	600 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).
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_018838.3, NP_061326.1
RefSeq Size:	600 bp
RefSeq ORF:	438 bp
Locus ID:	55967
UniProt ID:	Q9UI09
Cytogenetics:	12q22
Domains:	Complex1_17_2kD
Gene Summary:	This gene encodes a protein which is part of mitochondrial complex 1, part of the oxidative phosphorylation system in mitochondria. Complex 1 transfers electrons to ubiquinone from NADH which establishes a proton gradient for the generation of ATP. Mutations in this gene are associated with Leigh syndrome due to mitochondrial complex 1 deficiency. Pseudogenes of this gene are located on chromosomes 5 and 13. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2012] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer protein (isoform a).