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Product datasheet for MG200280

Cox6a2 (NM_009943) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cox6a2 (NM_009943) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cox6a2
Synonyms:	CoxVIaH; VIaH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

```
>MG200280 representing NM_009943
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTCTGCCTCTAAAGGTCCTGAGCCGGAGCATGGCCAGCGCAGCCAAAGGAGACCATGGAGGGGCAG
GAGCCAACACCTGGCGCCTCCTGACCTTTGTGCTGGCTCTTCCCGGCGTAGCCCACTGCTCCCTTAACTG
CTGGATGCACGCTGGCCACCACGAGCGCCCAGAGTTCATCCCGTATCACCACCTCCGCATCCGAACCAAG
CCCTTCGCCTGGGGGGACGGCAACCACACGCTTTTCCACAATCCCCACGTCAATCCTTTGCCCACCGGTT
ATGAGCACCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag -  GTTTAA
```

Protein Sequence:

```
>MG200280 representing NM_009943
Red=Cloning site Green=Tags(s)

MALPLKVLSRSMASAAKGDHGGAGANTWRLLTFVLALPGVAHCSLNCWMHAGHHERPEFIPYHHLRIRTK
PFAWGDGNHTLFHNPHVNPLPTGYEHP

TRTRPLE - GFP Tag -  V
```

Restriction Sites: SgfI-MluI

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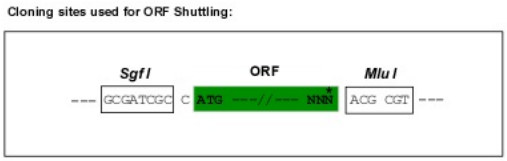
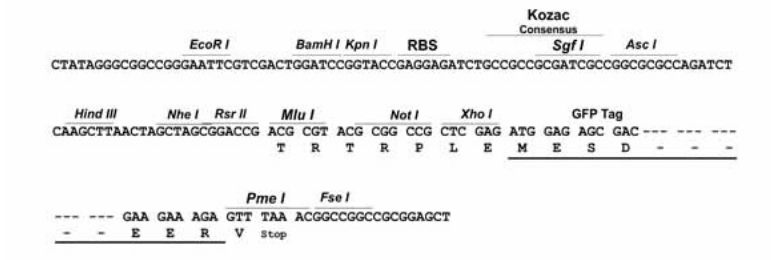
Cloning Scheme:





ACCN:	NM_009943
ORF Size:	291 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_009943.2, NP_034073.2
RefSeq Size:	678 bp
RefSeq ORF:	294 bp

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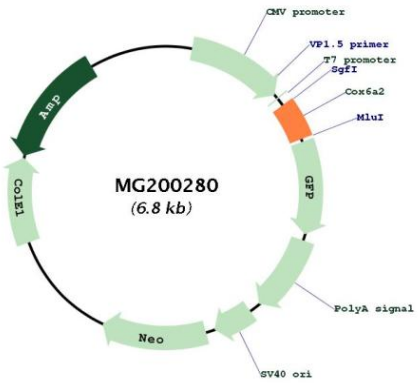
Locus ID:	12862
UniProt ID:	P43023
Cytogenetics:	7 70.04 cM
Gene Summary:	This protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG200280

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