

## 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:** CoxVlaH; VlaH  
**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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCTCTGCCTCTAAAGGTCCTGAGCCGGAGCATGGCCAGCGCAGCCAAAGGAGACCATGGAGGGGCAG  
 GAGCCAACACCTGGCGCCTCCTGACCTTTGTGCTGGCTCTTCCCGGCGTAGCCACTGCTCCCTAACTG  
 CTGGATGCACGCTGGCCACCACGAGCGCCAGAGTTTCATCCCGTATCACCACCTCCGCATCCGAACCAAG  
 CCCTTCGCTGGGGGACGGCAACCACACGCTTTCCACAATCCCACGTCATCCTTTGCCACCGGTT  
 ATGAGCACCT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG200280 representing NM\_009943  
 Red=Cloning site Green=Tags(s)  
 MALPLKVLRSMSAAKGDHGGAGANTWRLLTFVLALPGVAHCSLNCWMHAGHHERPEFIPYHHLRIRTK  
 PFAWGDGNHTLFHNPVNPLPTGYEHP

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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|                               |   |
|-------------------------------|---|
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <a href="#">NM_009943.2</a> , <a href="#">NP_034073.2</a>   |
| <b>RefSeq Size:</b>           | 678 bp  |
| <b>RefSeq ORF:</b>            | 294 bp  |
| <b>Locus ID:</b>              | 12862   |
| <b>UniProt ID:</b>            | <a href="#">P43023</a>  |
| <b>Cytogenetics:</b>          | 7 70.04 cM  |
| <b>Gene Summary:</b>          | 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]   |