

Product datasheet for **MG205128**

Duoxa1 (NM_145395) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Duoxa1 (NM_145395) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Duoxa1
Synonyms: BC019755; Nip; Nip1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG205128 representing NM_145395
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCTCTTGGACACACTGCCCTTCTACACTGGCACCAAGCCAACCTTTCCAATGGACACTACTC
TGGCTGCATTATCACCATCTTCCTGACTGCACTGGTCACCTTCATCATTATCCTGCCTGGCATCCGTGG
GAAGACGAGGCTGTTCTGGCTGCTTCGGTGGTGACCAGCTTATTCATCGGGGCTGTGATCCTGGCTGTG
AACTTCAGTTCTGAGTGGTCTGTGGCCATGTCAACGCCAACACAACGTACAAAGCCTTCAGTCCCAAGT
GGTCACTGTGGACGTGGACTGCAGATCGGGCTCGGCGCGTCAACATCACCTTCACAGGCACCCAGT
GCAGCAGCTGAATGAAACCATCAACTACAATGAGGCATTCGCATGGCGCCTGGGCAGGAGCTATGCAGAG
GAGTATGCAAAGGCCCTGGAGAAGGGCCTTCCAGACCCAGTGCTATACCTGGCTGAGAAGTTCACCCCTC
GAAGCCCATGTGGCCTGTACAACCAAGTACCGCCTGGCAGGACACTATGCCTCTGCCATGCTGTGGGTGGC
ATTCCTCTGCTGGCTGCTGGCCAATGTGATGTTGTGCGATGCCAGTGTGGTTTATGGTGGCCACATGCTG
CTGGCCACTGGTCTCTCCAGCTGTTGGCCCTGTTCTTCTTCCATGACCACGTCACATATCGCCCT
GTCCCTGCGCTTGGGCACTGCTGTGCTGCACACTCACCATGGGCCCGCTTCTGGATCACGTTAGCCAC
AGGACTGCTGTATTCTGCTTGGCCTGGTCATGGCAGTGGCCACAGGATGCAGCCTCACAGACTGAAG
GCTTTCTCAACCTGAGTTCAGAGGACCCAGTGGTGGAGTGGGCTCTGAAGAAGGAGGACTCTTGAGCC
CCCACTACCGGTCCATAGCTGAGAGTCCCTGAGACCCAGGACACTCCCATGTCAGTGGCTTCTCTGAGAC
ATGTTTTAAGGAGGAACCCCCAAGAGTCCGACTGTTCCCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG205128 representing NM_145395
 Red=Cloning site Green=Tags(s)

MAALGHTLPFYTGKPTFPMDTTLAVIITIFLTALVTFIILPGIRGKTRLFWLLRVVTSLSLFIGAVILAV
 NFSSEWSVGHVNANTTYKAFSPKWVSVDVGLQIGLGGVNIIFTGTPVQQLNETINYNEAFWRLGRSYAE
 EYAKALEKGLPDPVLYLAEKFTPRSPCGLYNQYRLAGHYASAMLWVAFLCWLLANVMLSMPVLVYGGHML
 LATGLFQLLALFFSMTTSLISPCPLRLGTAVLHTHHGPFWITLATGLLCILLGLVMAVAHRMQPHRLK
 AFFNLSSDPVLEWGSEEGLLSPHYRSIAESPETQDTPMSVASSETCFKEEHPKESDCSL

TRTRPLE - GFP Tag - V

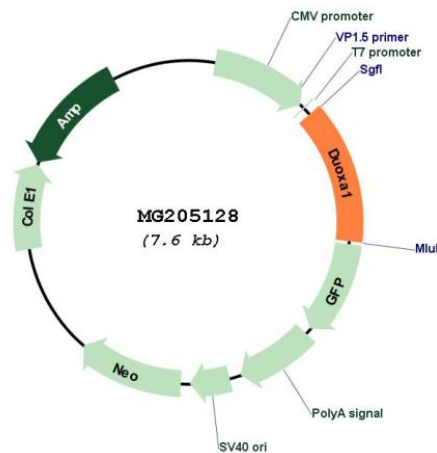
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_145395

ORF Size: 1023 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:	<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:	NM_145395.1
RefSeq Size:	1513 bp
RefSeq ORF:	1026 bp
Locus ID:	213696
Cytogenetics:	2 E5
Gene Summary:	May be required for the maturation and the transport from the endoplasmic reticulum to the plasma membrane of functional DUOX1.[UniProtKB/Swiss-Prot Function]