

Product datasheet for **RG205232**

ENOX1 (NM_017993) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ENOX1 (NM_017993) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ENOX1
Synonyms:	bA64J21.1; cCNOX; CNOX; PIG38
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG205232 representing NM_017993
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTAGATGCAGGTGGAGTTGAGAACATCACCCAGCTTCCCAGGAGCTTCCTCAGATGATGGCTGCAG
 CAGCCGATGGTTTGGGGAGTATAGCGATAGACAGCACCCAGCTCAACATGTCCGTGACAGATCCCACAGC
 CTGGGCTACAGCCATGAATAACCTGGGCATGGTCCCGTAGGGTTGCTGGACAGCAGCTCGTGTCTGAC
 TCAATCTGTGTCCAGGCTTTGATCCAAGCCTCAACATGATGACTGGAATCACCCCATTAACCCAAATGA
 TACCAGGCCTTGGACTGGTACCTCCCCACCACCAACAGAAGTGCTGTTGTCAAAGAAATAATCCACTG
 CAAAAGCTGTACTCTTTTCTCAAAATCCAAATCTTCCACCTCCTTCCACAAGAGAACGACCTCCTGGG
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 TTAAACAACAAAAAGTCAGAAATTGGAACAAGCAAGGAAGAGCAGTCCCATACACAAGCGTTACTAAAAG
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 GGCTTAAATCAGAGAAAGAAGCTCTGCTAATAGGTATCATATCAACGTTTCTTACGTCCATCCTTTTG
 GAGCCAACATAGAATATCTTTGGTCATACATGCAGCAGCTGGACTCCAAGATATCTGCAAAATGAAATAGA
 AATGCTTTTGATGAGGCTGCCACGCATGTTCAAACAGGAATTACGGGTGTGGGAGCCACGCTGAAAAA
 AGATGGAAGTTGTGTGCTTTGAAGGAATTAAGTACC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

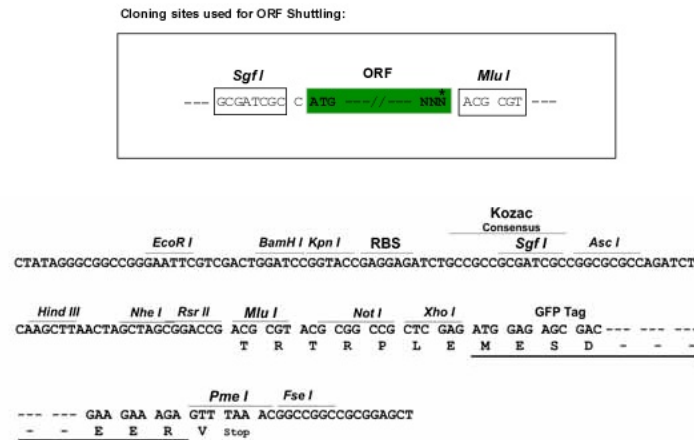
>RG205232 representing NM_017993
 Red=Cloning site Green=Tags(s)

MVDAGGVENITQLPQELPQMMAAADGLGSIADTTQLNMSVTDPTAWATAMNNLGMVPVGLPGQQLVSD
 SICVPGFDPNMMTGITPINMIPGLGLVPPPPTEVAVVKEIIHCKSCTLPQNPPLPPSTRERPPG
 CKTVFVGLPENATEEIIQEVFEQCGDITAIRKSKNFCHIRFAEEFMVDKAIYLSGYRMRLGSSTDKKD
 SGRLHVDFAQARDDFYEWCKQMRMRAREERHRRKLEEDRLRPPSPPAIMHYSEHEAALLAEKLKDDSKFS
 EAITVLLSWIERGEVNRNRSANQFYSMVQSANSHVRRMLMNEKATHEQEMEEAKENFKNALTGILTQFEQIV
 AVFNASTRQKAWDHF SKAQKKNIDIWRKHSEELRNAQSEQLMGIRREEEMMSDDENDCDSPTKMRVDES
 ALAAQAYALKEENDSLRWQLDAYRNEVELLKQEKEQLFRTEENLTKDQQLQFLQQTMMQGMQQQLTIQEE
 LNNKKSELEQAKEEQSHTQALLKVLQEQLKGTKELVETNGHSHEDSNEINVLTVLVNQDRENNIEKRSQ
 GLKSEKEALLIGIISTFLHVHPFGANIEYLWSYMQQLDSKISANEIEMLLMRLPRMFKEFTGVGATLEK
 RWKLCAFEIGIKTT

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_017993

ORF Size: 1929 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_017993.1](#), [NP_060463.1](#)

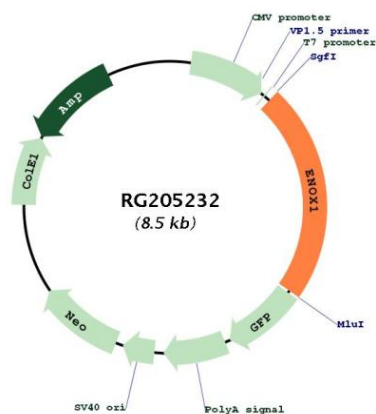
RefSeq Size: 2624 bp

RefSeq ORF: 1932 bp

Locus ID: 55068
 UniProt ID: [Q8TC92](#)
 Cytogenetics: 13q14.11
 Domains: RRM

Gene Summary: The protein encoded by this gene is involved in plasma membrane electron transport pathways. The encoded protein has both a hydroquinone (NADH) oxidase activity and a protein disulfide-thiol interchange activity. The two activities cycle with a periodicity of 24 minutes, with one activity being at its peak when the other is at its lowest. [provided by RefSeq, Dec 2016]

Product images:



Circular map for RG205232