

Product datasheet for **RG226631**

NXPE2 (NM_182495) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	NXPE2
Synonyms:	FAM55B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG226631 representing NM_182495
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGTGGAGAAAATACTCATCCATAGGATACTCACTTTGTTTCAAATGCCATAGCTCGAAAATTACTGC
 TGATGTTGACATTTATCTTAATTTCTGGATCATTACTTGGCTTCAAAAGACCACACAAAGTTCTCGTT
 CAACTTGGAAGACCATATTATCTGAACCAAGGGAACATCTTCAAAAAATATTCACACTCTGAAACACCA
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 AGATCCCAACCCAGACCTTTACCCATGTGAATACCACCACCACTGCCACACACAGCAGCCACCATCT
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 CACAGGAAGCAATATGGTGGGGATTCTGAGGGCCAGGATGTACTCCACAGCACTAATGGCAGGTGCTT
 CAGGAAAGGTGACTGACTTCAACAACGGCACCTACCTGGTCAGTTCACCTGTCTGGGAGGGCCAGGT
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 TGTGATAGGATCATCTTCACTGGCCTGTTTGCCAAACAGAAGCTCCAATGTCTTCACTGAATGTGGCCTGA
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 GCCTCAACATATGCCCTGTGAGGCCTTGACCCACATGACCACTAGGACAAGAAATATTTCTATCTTAGC
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 AACACCAGAGAGATAGAACAAAATGCAGAGATGTTGAGTACTTTTATGGCTATATTGAGAACTTATCA
 TAAGAGATATTTTGTGGATCTTAATGTGGGTATTATTGATGCCTGGGACATGACGATTGCATATTGCAC
 CAACAATGCCATCCACCGGATTATGTGATTCAAAATCAGATTGGCATGTTCTTAAACTACATTTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

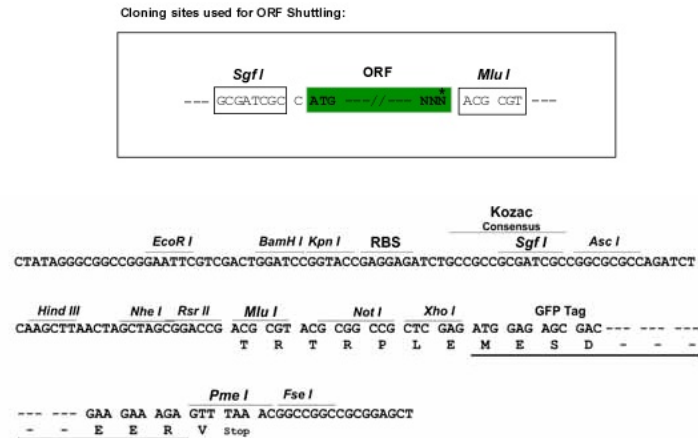
Protein Sequence: >RG226631 representing NM_182495
 Red=Cloning site Green=Tags(s)

MVEKILIHRLTLFPNAIARKLLMLTFILIFWIIYLASKDHTKFSFNLENHIILNQGNIFKKYSHSETP
 LCPAVSPKETELRIKDIMEKLDQQIPPRPFTHVNTTSATHSTATILNPQDTCRGDQLDILLEVRDHLG
 HRKQYGGDFLRARMYSTALMAGASGKVTDFFNNGTYLVSFTLFWEGQVSLSLLIHPSEGVSAWLRARNQG
 CDRIIFTGLFANRSSNVFTECGLTLNTNAELCQYMDRDQEAFCYVVRPQHMPCEALTHMTTRTRNISYLS
 KEEWRLFHRSNIGVEMMKNFTPIEVIPCNKSENKNCQIGMKTFFPSGYTLKKMWITAFCKQIKFNETK
 NINDCLERKLIYLMGDSTLHQWIYYLQKAVKTLKYFDHHGAGIFKTHVLLDVERHILIQWKKHGHFPVTK
 KLFVSKDENYIPREIDQVAGDKNTAIVITLQGHFRFPINIFIRRAINIQAIERLFLRSPETKVILKTE
 NTREIEQNAEMFSDFHGYIQNLIIRDIFVDLNVGIIDAWDMTIAYCTNNAHPPDYVIQNIQGMFLNYIC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_182495

ORF Size: 1677 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.

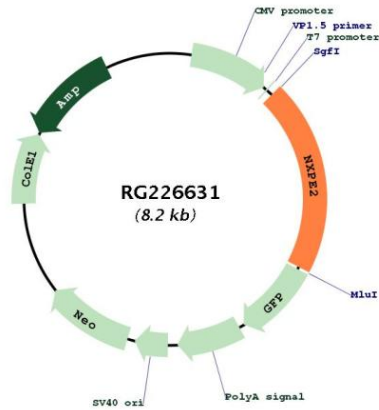
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_182495.6](#)

RefSeq Size: 1778 bp

RefSeq ORF:	1680 bp
Locus ID:	120406
UniProt ID:	Q96DL1
Cytogenetics:	11q23.2-q23.3
Protein Families:	Transmembrane

Product images:



Circular map for RG226631