

Product datasheet for **RG220373**

NXPH2 (NM_007226) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NXPH2 (NM_007226) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NXPH2
Synonyms:	NPH2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG220373 representing NM_007226 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGCCTGCGGCCGCTGCCCTCGTGGTGGTCCCTGGCTTGCTGCAGCTGCTATTTTGTGACAGTAAGG
AAGTGGTGCATGCCACGGAGGGGCTGGATTGGGAAGACAAAGATGCTCCAGGGACGTTGGTCGGCAACGT
GGTGCCTCAAGGATCATCAGTCCCTGCGCCTGTTTGTAAACAGTCTCCGGTGCCCAAGCCCGGCC
ATGGCGTATGCAGACAGCATGAAAACCTTTGGGATTGGCTGGCCAACATCACGGAGATTCAGGAGCCAT
TGCAAGAATAAACGGAGGCCAATAGTAAAAACAGGAAAATTTAAGAAAATGTTTGGATGGGGTGACTT
TCATCCAACATTAACACTGTCAAACCTCAATCTCCTCATCACAGGAAAAATTGTTGACCATGGAAATGGA
ACCTTCAGTGTGATTTCCGACATAATCAACAGGCCTGGGCAATGTTTCAGTGAGCTTGGTACCACCT
CCAAGGTGGTGAATTTGAAGTTTCCCCCAGTCTACCTTGAGACCAAGGAATCCAATCTTTCAATTG
TCGATTGAGTATGAAAAACAGATCGGGCGAAAAAGACCGCCCTGTGCAACTTTGACCCATCCAAGATC
TGCTACCAGGAGCAGACTCAGAGCCATGTGCTTGGTTGTGCTCAAGCCCTTCAAGGTCATTTGCATTT
ACATTGCCTTTTACAGTGTGATTATAAACTCGTGCAAAAGGTGTGCCCTGACTACAATTACCATAGTGA
GACCCATACTTATCTTCTGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG220373 representing NM_007226
Red=Cloning site Green=Tags(s)

MRLRPLPLVVVPGLLQLLFCDSKEVVHATEGLDWEDKDAPGTLVGNVHSRIISPLRLFVKQSPVPKPGP
 MAYADSMENFWDLANITEIQEPLARTKRRPIVKTGKFKKMFGWGDFHNSNIKTVKLNLLITGKIVDHGNG
 TFSVYFRHNSTGLGNVSVSLVPPSKVVEFEVSPQSTLETKEKSFNCRIEYEKTDRAKKTALCNDFPSKI
 CYQEQTQSHVSWLCSKPFKVICIYIAFYSDYKLVQKVC PDYNYHSETPYLSSG

TRTRPLE - GFP Tag - V

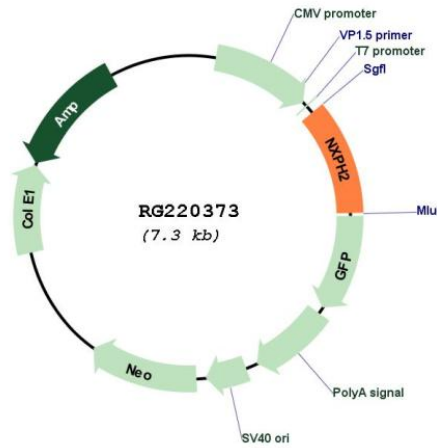
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_007226

ORF Size: 792 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_007226.1 , NP_009157.1
RefSeq Size:	836 bp
RefSeq ORF:	795 bp
Locus ID:	11249
UniProt ID:	O95156
Cytogenetics:	2q22.1
Protein Families:	Secreted Protein
Gene Summary:	May be signaling molecules that resemble neuropeptides and that act by binding to alpha-neurexins and possibly other receptors.[UniProtKB/Swiss-Prot Function]