

Product datasheet for **RG208846**

NXPH4 (NM_007224) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NXPH4 (NM_007224) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NXPH4
Synonyms:	NPH4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208846 representing NM_007224 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGGCTGCTCCCGGAATGGTTCCTCTTGCTCTTTGGCCCGTGGCTCCTTAGGAAGGCCGTCAGTGCC
AGATACCAGAGTCCGGAAGGCCGAGTACCTGGGGCTGCGCCCCGCCGCGCCGGAGCGGGTGCCCCCG
CCAGCAGCTCCCAGAGCCAAGGTCTTCGGACGGCCTAGGCGTGGCCGCGCCTGGAGCTGGGCTGGCCG
ACCAACCACACGGGGCGCTGGCCCGGGCAGGGGCAGCCGGGGCGTTGCCCGCGCAGCGCACCAAGAGGA
AGCCGTCCATCAAGGCGCGCGCCAAAAAGATCTTCGGCTGGGGGACTTCTACTTTTCGGGTGCATAC
CCTCAAGTTTTCGCTGCTGGTGACCGGCAAGATCGTGGACCATGTGAACGGTACCTTCAGTGTGATTTTC
CGCCACAACCTCGTCCAGCCTGGGCAACCTCAGTGTGAGCATCGTGCCGCCCTCCAAGCGTGTGAGTTTCG
GAGGAGTCTGGCTGCCCGGGCCTGTCCCCACCCTCTGCAGTCTACGCTCGCCCTGGAGGGGGTGCCTTC
TGGGCTGGGGCCCCCGCTGGGGATGGCAGCAGCAGCGGGGGCCGGGGCTTGGGGGCTCCCTCGGGGGC
GCACTGGCGGGGCCGCTTGGGGCGCGTTGGGAGTGCCTGGGGCCAAAGAGTACGCGCTTTCATTGCC
ACGTGGAGTATGAGAAGACAAACCGCGCGCAAGCACCACCGTGCCTGTACGATCCATCGCAGGTGTG
CTTCACCGAGCACACGCAGAGCCAGGCCCTGGCTCTGTGCCAAGCCCTCAAAGTCATCTGTATCTTC
GTCTCTTTCCTCAGCTTTGACTACAAACTGGTGCAGAAGGTGTGCCCAGACTATAACTTCCAGAGTGAGC
ACCCCTACTTCGGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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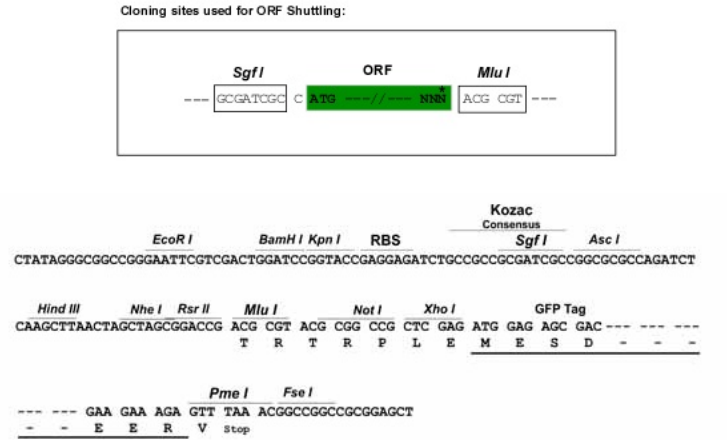
Protein Sequence: >RG208846 representing NM_007224
Red=Cloning site Green=Tags(s)

MRLLEPWFLLLFGPWLLRKAVSAQIPESGRPQYLGLRPAAGAGAPGQQLPEPRSSDGLGVGRAWSAWP
 TNHTGALARAGAAGALPAQRTKRKPSIKAARAKKIFGWGDFYFRVHTLKFSLLVTKIVDHNVTFSVYF
 RHNSSSLGNLSVSIVPPSKRVEFGGVWLPGPVPHPLQSTLALLEGVLPGLGPPLGMAAAAAGPGLGSSLGG
 ALAGPLGGALVPGAKESRAFNCHEVEYKTNRRARKHRPCLYDPSQVCFTEHTQSQAAWLCAKPFKVICIF
 VSFLSFDYKLVQKPCPDYNFQSEHPYFG

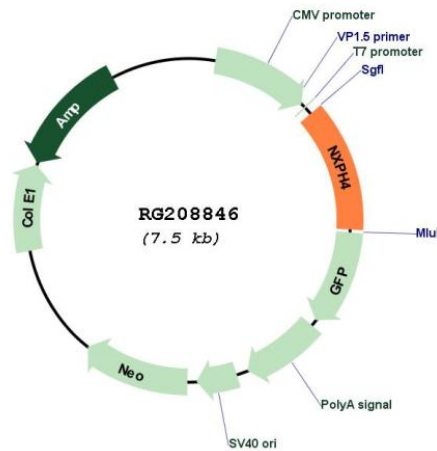
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_007224

ORF Size: 924 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_007224.1 , NP_009155.1
RefSeq Size:	1904 bp
RefSeq ORF:	927 bp
Locus ID:	11247
UniProt ID:	O95158
Cytogenetics:	12q13.3
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]