

Product datasheet for **MG219705**

Npy4r (NM_008919) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Npy4r (NM_008919) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Npy4r
Synonyms:	NYYR-D; Ppyr1; Y4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG219705 representing NM_008919 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATACCTCTCATTCTTGGCCCTCTCTCCAGGATCCCTACAGGGTAAGAATGGGACCAATCCAT
TGGATCCCCCTATAATTTCTCTGATGGCTGCCAGGATTCGGCAGAGCTGTTGGCCTTCATCATCACCAC
CTACAGCATTGAGACCATCTTGGGGTCTGGGAAACCTCTGCTTGATATTTGTGACCACAAGACAAAAG
GAAAAGTCCAATGTGACCAACCTACTCATTGCCAACCTGGCCTTCTGACTTCCTCATGTGCCTCATCT
GCCAACCACTCACAGTCACCTACACCATCATGGATTACTGGATCTTTGGTGAAGTCTTTGCAAGATGTT
AACTTTCATCCAGTGTATGTCAGTGACAGTCTCCATCCTCTCACTGGTCCTTGTGGCCCTGGAGAGGCAC
CAGCTCATTATCAATCCAACAGGCTGGAACCCAGTATTTCCAGGCCTACCTGGGGATTGTGGTCATCT
GGTTCGTCTCTTGTTCCTTTCCCTTGGCCCTTCTGGCCAACAGCACCCCTGAATGACCTCTTCCACTACAA
CCACTCTAAGGTTGTAGAGTTTCTGGAAGACAAGGTCTGCTTGTGTCTGGTCTTCAGATCACCAC
CGTCTCATCTATACCACTTTTCTGCTGCTTTTTCAGTACTGCATCCCTTAGCCTTCATCCTGGTCTGCT
ACATACGCATCTACCAGCGCCTGCAGAGGCAGAAGCATGTGTTCCATGCGCACGCTTGCAGCTCACGAGC
GGGACAGATGAAGCGGATCAACAGCATGCTCATGACAATGGTACTGCCTTTGCAGTTCTCTGGCTACCC
CTGCATGTGTTCAACACTCTGGAGGACTGGTACCAGGAAGCCATCCCTGCTTGGCCATGGCAACCTCATCT
TCTTGATGTGCCACCTGTTGGCCATGGCTTCCACCTGTGTCAACCTTTTCATCTATGGCTTCTCAACAT
CAACTTCAAGAAGGATATCAAGGCTCTGGTCTGACCTGCCATTGCAGGTCACCTCGAGGGGAGTCTGAG
CATCTGCCCTGTCCACTGTTACACGGACCTATCCAAGGGATCGATGAGGATGGGTAGCAAGTCTAACT
TCATA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG219705 representing NM_008919
Red=Cloning site Green=Tags(s)

MNTSHFLAPLFPGLQGKNGTNPLDSPYNFSDGCQDSAELLAFIITTYSIETILGVLGNLCLIFVTTRQK
 EKSNTVNLIIANLAFSDFLMCLICQPLTVTYTIMDYWIFGEVLCKMLTFIQMSVTVSILSLVVALERH
 QLIINPTGWKPSIFQAYLGIVVIWFVSCFLSLPFLANSTLNDLFHYNHSHKVVFELEDKVVCFVSWSSDHH
 RLIYTTFFLLLFQYCIPLAFILVCYIRIQRLRQKQKHFVFAHACSSRAGQMKRINSMLMTMVTAFVWLP
 LHFVNTLEDWYQEAIPACHGNLIFLMCHLLAMASTCVNPFYIGFLNINFKKDIKALVLTCHCRSPRGESE
 HPLPLSTVHTDLSKGS MRMGSKSNFI

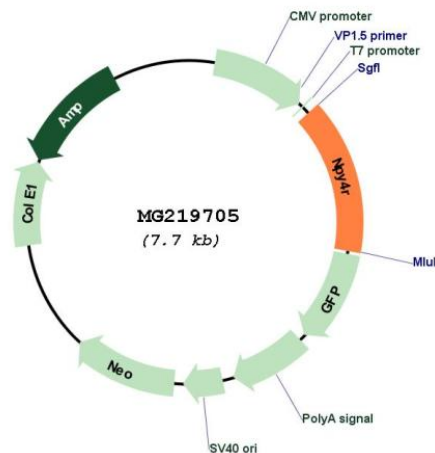
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_008919

ORF Size:	1125 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_008919.4 , NP_032945.3
RefSeq Size:	1903 bp
RefSeq ORF:	1128 bp
Locus ID:	19065
UniProt ID:	Q61041
Cytogenetics:	14 20.8 cM
Gene Summary:	Receptor for neuropeptide Y and peptide YY. The rank order of affinity of this receptor for pancreatic polypeptides is PP >> PYY >= NPY.[UniProtKB/Swiss-Prot Function]