

Product datasheet for **RG207155**

CNPY4 (NM_152755) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CNPY4 (NM_152755) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CNPY4
Synonyms: PRAT4B
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG207155 representing NM_152755
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGACCTGTGCGGTTGGGAATATTGCTTTTCCTTTTTTTGGCCGTGCACGAGGCTTGGGCTGGGATGT
TGAAGGAGGAGGACGATGACACAGAACGCTTGCCAGCAAATGCGAAGTGTGAAGCTGCTGAGCACAGA
GCTACAGGCGGAAGTGTGCGACCGGTCGATCTCGAGAGGTGCTGGAGCTGGGGCAGGTGCTGGATACA
GGCAAGAGGAAGAGACACGTGCCTTACAGCGTTTCAGAGACAAGGCTGGAAGAGGCCTTAGAGAATTTAT
GTGAGCGGATCCTGGACTATAGTGTTCAGCTGAGCGCAAGGGCTCACTGAGATATGCCAAGGGTCAGAG
TCAGACCATGGCAACACTGAAAGGCCTAGTGCAGAAGGGGGTGAAGGTGGATCTGGGGATCCCTCTGGAG
CTTTGGGATGAGCCCAGCGTGGAGGTCACATACCTCAAGAAGCAGTGTGAGACCATGTTGGAGGAGTTTG
AAGACATTGTGGGAGACTGGTACTTCCACCATCAGGAGCAGCCCCTACAAAATTTCTCTGTGAAGGTCA
TGTGCTCCAGCTGCTGAAACTGCATGTCTACAGGAACTTGGACTGGAAAGGAGATCACAGATGGGGAA
GAGAAAACAGAAGGGGAGGAAGAGCAGGAGGAGGAGGAGGAAGAGGAAGAGGAAGGGGGAGACAAGA
TGACCAAGACAGGAAGCCACCCAACTTGACCGAGAAGATCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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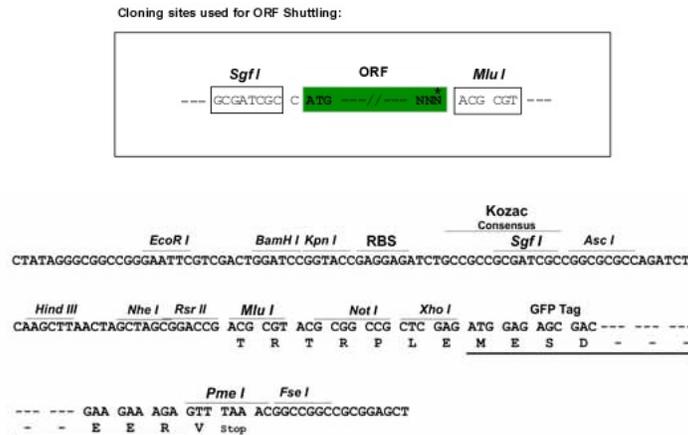
Protein Sequence: >RG207155 representing NM_152755
 Red=Cloning site Green=Tags(s)

MGPVRLGILLFLFLAVHEAWAGMLKEEDDDTERLPSKCEVCKLLSTELQAELSR TGRSREVLELGGQVLDT
 GKRKRHPVYSVSETRLEEALENLCERILDYSVHAERKGSRLRYAKGQSQTMATLKGLVQKGVKVDLGIPL
 LWDEPSVEVTYLLKKQCE TML EEFEDIVGDWYFHHQEQLQNFLCEGHVLPAAETACLQETWTGKEITDGE
 EKTEGEEEQEEEEEEEEEGGDKMTKTGSHPKLDREDL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152755

ORF Size: 744 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.

RefSeq: [NM_152755.2](#)

RefSeq Size: 1547 bp

RefSeq ORF: 747 bp

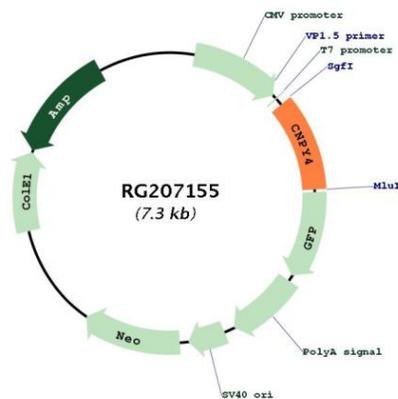
Locus ID: 245812

UniProt ID: [Q8N129](#)

Cytogenetics: 7q22.1

Gene Summary: Plays a role in the regulation of the cell surface expression of TLR4.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG207155