

Product datasheet for **MG203709**

Cnpy3 (NM_028065) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnpy3 (NM_028065) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cnpy3
Synonyms:	1600025D17Rik; 2410050O22Rik; AI413153; CAG; CAG4A; ERD; ERDA5; PRAT4A; Tnr; Tnrc5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203709 representing NM_028065 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTCCATGTCTGAGCTCGCGCCCCGCTGCCTCTTATTTCTTTGCTGCTGCTGCTCCGCTGCTGC
TCCTTCTGCCCGAAGCTAGGCCCGAGTCCCGCCGGGGCTGAGGAGACCGACTGGGTGCGATTGCCAG
CAAATGCGAAGTGTGCAAGTATGTTGCTGTGGAGCTGAAGTCGGCTTTTGGAGAAACGGAAAGACCAAG
GAAGTGATTGACACCGGCTATGGCATCCTGGACGGGAAGGGCTCTGGAGTCAAGTACACCAAGTCGGACT
TACGGTTAATTGAAGTCACTGAGACCATTGCAAGAGGCTTCTGGACTACAGCCTGCACAAGGAGAGGAC
TGGCAGCAACCGTTTTGCCAAGGTATGTCGGAGACCTTTGAGACGCTGCACAACCTAGTCCACAAGGG
GTCAAGGTGGTGATGGATATCCCTATGAGCTGTGGAACGAGACCTCAGCAGAGGTGGCTGACCTCAAGA
AGCAGTGTGACGTGCTGGTGAAGAGTTTGAAGAGGTGATTGAGGACTGGTACAGGAACCACCAGGAGGA
AGACCTGACTGAATTCCTCTGTGCCAACACGCTGCTGAAGGGAAGGACACGAGTTGCCTAGCAGAGCGG
TGGTCTGGCAAGAAGGGGACATAGCCTCCCTGGGAGGGAAGAAATCCAAGAAGAAGCGCAGCGGAGTCA
AGGGCTCCTCCAGTGGCAGCAGCAAGCAGAGGAAGGAAGTGGGGGCTGGGGGAGGATGCCAACGCCGA
GGAGGAGGAGGGTGTGCAGAAGGCATCGCCCTCCACACAGCCCCCTGATGAGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203709 representing NM_028065
 Red=Cloning site Green=Tags(s)

MESMSELAPRCLLFPLLLLLPLLLLPAKLGSPAGAEETDWRVLPKCEVCKYVAVELKSAFEETGKTK
 EVIDTGYGILDGKGGVYTKSDLRLIEVTETICKRLLDYSLHKERTGNSRFAGMSETFETLHNLVHKG
 VKVMDIPYELWNETSAEVADLKKQCDVLVEEFEEVIEDWYRNHQEEDLTEFLCANHVLKGDTSCLAER
 WSGKKGDIASLGGKSKKKRSGVKGSSSSGSKQRKELGGLGEDANAEEEEGVQKASPLPHSPPEL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_028065

ORF Size: 828 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_028065.4](#)

RefSeq Size: 1909 bp

RefSeq ORF: 831 bp

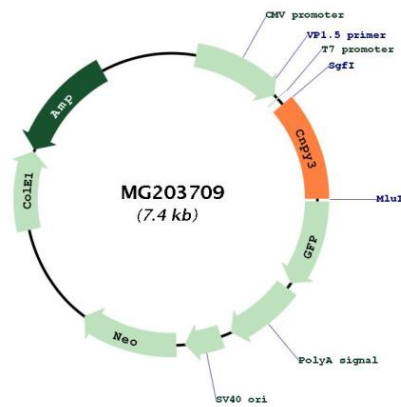
Locus ID: 72029

UniProt ID: [Q9DAU1](#)

Cytogenetics: 17 C

Gene Summary: This gene encodes a member of the canopy family of proteins. The encoded protein may play a role in the maturation of toll-like receptors. Homozygous knockout mice for this gene show reduced cell surface expression of toll-like receptors and an impaired immune response including reduced production of cytokines in a mouse model of sepsis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]

Product images:



Circular map for MG203709