

## Product datasheet for **MG224423**

### Trappc9 (NM\_001164642) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Trappc9 (NM_001164642) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Trappc9
Synonyms:	1810044A24Rik; 2900005P22Rik; 4632408O18Rik; lbp; mKIAA1882; Nibp; TRS130
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG224423 representing NM\_001164642  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGCGTCCCCGACTACATGCAGTGCAGAGGATCACCAGACCCTTCTGGTGGTCGTCAGGCCGTGG  
 GCATCGTCTCTGAGGAGAACTTCTTCAGGATCTACAAGCGGATCTGCTCCGTGAGCCAGCTCAGTGTGCG  
 CGACACGCAGCGTGCCCTCTTCATCCGCTATCGGCACCACTACCCGCCGAGAACAACGAGTGGGGCGAC  
 TTCCAGACGCACCGCAAGGTGGTAGGCCTCATCACCATCACCATTGCTTCTCGCCCAAAGACTGGCCAC  
 AGACCTTCGAGAAGTTCACGTGCAGAAGGAGATCTACGGTTCCACGCTCTACGATTCGCCCTCTTCGT  
 GTTCGGGTGCAGGGTGTGTGGCTGAGCAGCCGCGCCGGATGTGGCCTTCTATCCAACTACGATGAC  
 TGCGATTAGTGGAGAAGCGCATCGAAGACTTCATCGAGTCCCTTTTCATTGTGTGGAGTCCAAGCGCC  
 TGGACAGAGCCACCGACAATCCGGGGACAAGATCCCTCTTCTGTGTCCCTTCGAGAAGAAGGACTT  
 CGTGGGACTAGACACGGATAGCAGACACTACAAGAAGCGGTGCCAAGGACGCATGCGGAAACACGTTGGG  
 GACTTGTGCCTCCAGGCTGGGATGCTGCAGGACGCCCTGGTACACTACCACATGTCCGTGGAGCTCCTGC  
 GCTCAGTGAATGACTTCCTGTGGTTAGGGGCTGCCCTGGAGGGGTGTGTCTCGGCTTCAGTCATTTATCA  
 TTATCCCGGAGGAACTGGTGGCAAGACTGGGGCTCGGAGACTCCAAGGCAGCTCACTTCCCTCAGAAGCA  
 GCCAACAGACACCGGCCAGGTGCTCTACCACCAACGGCATAAATCCTGCACACCAGCACTGAGATCGGAA  
 GGGCCAAGAAATTCCTCAGCCCCGAGGACATCATTGACAAATACAAGAGGCCATCTCCTATTACAGCAA  
 GTACAAGAACGCCGAGTGATTGAGCTGGAAGCCTGTGTCAAGGCCGTGCGCGTCTAGCGATTGAGAAG  
 CGTGGCATGGAGGCTTCGAGTTTCTTCAGAATGCTGTGTACATCAATCTCCGGCAGCTTTCGGAAGAAG  
 AGAAAATCCAGCGCTACAGCACTCTGTCTGAGCTCTACGAGCTGATTGGCTTCCACCGCAAGTCAGCATT  
 CTCAAGCGAGTGGCTGCCATGCAGTGTGTGGCGCCAAGCATTGAGAACCTGGCTGGAGGGCTGTTAC  
 AAGCTCCTTTTGGAGACGCTGCCTGGCTACAGTCTGTCTGCTAGATCCCAAGGACTTCAGCAAAGGCACAC  
 ACCGAGGCTGGGCTGCCGTTTTCAGATGCGTCTGCTGCATGAGCTGGTCTATGCCTCCCGCAGGATGGGAA  
 CCCCAGCTGTCCGTGCGGCACCTCTCCTTCTTTCAGACCATGCTGGACTTCTGTCTGACCAGGAA  
 AAGAAAGATGTGACTCAAAGCCTGGAGAACTACACTGCCAAGTGTCCCGGACGATGGAGCCCATCACCC  
 TCCCAGATGGTCTCACACTGCCTCCCGTCCGTTTACCAAGTTGCCCATGTGAGGTGCGTGAAGCTGCT  
 GAGTCTCCCCACCAGCCTGCGACCCACAAGGTGAAAAGCTTGTGGGCCAGAGCATGTCCACCAAGAGC  
 CCCTTCATCTATTGCGCAATCATCGCACATAACCGTGGAGAAGAACGCAACAAAAAATAGATTTCCAGT  
 GGGTTCAAGGAGATGTGTGTGAAGTTCAGCTGATGGTGTACAACCAATGCCGTTTGGAGTCCCGCTGGA  
 AAACATGGGGCTTCTACCAGCGGAGTGGAGTTTGTGCTCTTCTGCAGCGCTTCCCTCCCTGCGGAA  
 TCTGGTTTGTACCCGGTACGCTGGTGGAGTCCACAGACTACAGGAATGATCACTGTGAATGGTTACC  
 ATACCACAGTCTTTGGGGTCTTCAGCGACTGCCTTCTGGACAACCTTCCGGGACTGAAGACGGGCGGCTC  
 CACCGTGGAAAGTCATCCCTGCCTTGCCAAGACTGCAGATCAGCACATCGCTGCCAGGTCCGCACGCTCA  
 CTGCAGCCTTCTGCCGGCGATGAGATCGCCACCAACGTATCTGTTGAGCTGTACAACGGAGAAACCCAGC  
 AGCTGGCTGTACCTTGGAGAACATCGGACTGGAGCCTCTGGAGCAGCTGGAGGTACCTCAAAGCTTCT  
 CACCACCAAGGAAAAGTTGTATGGCGACTTCTTGAGCTGGAACCTGGAAGAGACGCTGGCCAGTTTCCC  
 CTGCAGCCCGGGAAGGTGGCTACTTTACCATCAACATCAAGGCAAAGCTGGATTTCTCTTGCCAGGAGA  
 ATCTTCTCCAGGACCTGAGTGTGATGGAATCAGCGTGTGCGGCTTTCCCTGTCCAGTCTTTCCGCCA  
 GGTGGTGCAGCCCGAGTGGAGAGCAGACCCACAAACCTTCTGAGGGCAGCAAGACGGGGACCTTGGC  
 CACGTCAAGACTCGCCATCTCAGGGACAGTGTGAA

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:** >MG224423 representing NM\_001164642  
Red=Cloning site Green=Tags(s)

MSVPDYMQCAEDHQTLVVVQAVGIVSEENFFRIYKRICSVSQLSVRDTQRALFIRYRHHYPENNEWGD  
FQTHRKVVLITITDCFSPKDWQTFEKFHVQKEIYGSTLYDSRLFVFGDVAEQPRPDVAFYPNYDD  
CDSVEKRIEDFIESLFIVLESKRDRATDKSGDKIPLLCVPFEKKDFVGLDTSRHYKKRCQGRMRKHVG  
DLCLQAGMLQDALVHYHMSVELLRVNDLWLGAALEGLCSASVIYHYPGGTGGKTGARRLQGSLLPSEA  
ANRHRPGALTTNGINPDTSTEIGRAKNCLSPEDIIDKYKEAISYYSKYKNAGVIELEACVKAVRVLAIQK  
RGMEASEFLQNAVYINLRQLSEEEKIQRYLSILSELYELIGFHRKSAFFKRVAAMQCVAPSAEPGWRACY  
KLLLETLPGLSLDPKDFSKGTHRGWAAVQMRLLHEL VYASRRMGNPALSVRHLSFLLQTMLDFLSDQE  
KKDVTQSL ENYAKCPGTMEPITLPDGLTLPPVPFTKLPIVRCVKLLSLPTSLRPHKVKSLLGQSMSTKS  
PFIIYSPIIAHNRGEERNKKIDFQWVQGDVCEVQLMVYNPMPFELRVENMGLLTSGVFESLPAALSLPAE  
SGLYPVTLVGVPTTGMITVNGYHTTVFGVSDCLLDNLPGLKTGGSTVEVIPALPRLQISTSLPRSARS  
LQPSAGDEIATNVSQVLYNGETQQAVTLENIGLEPLEQLEVTSKLLTTKEKLYGDFLSWKLEETLAQFP  
LQPGKVATFTINIKAKLDFSCQENLLQDLSDDGISVSGFPLSSPFRQVVRPRVESRPTNPSEGSKTGDLG  
HVKTRHPQGQCE

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001164642

**ORF Size:** 2556 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\\_001164642.1](#), [NP\\_001158114.1](#)

**RefSeq Size:** 3127 bp

**RefSeq ORF:** 2559 bp

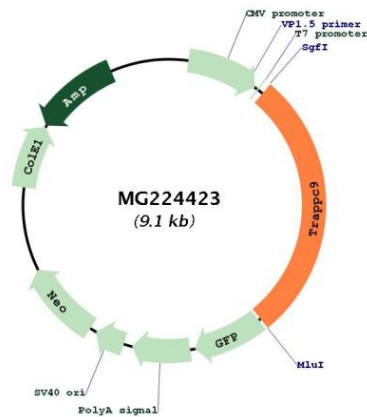
**Locus ID:** 76510

**UniProt ID:** [Q3U0M1](#)

**Cytogenetics:** 15 D3

**Gene Summary:** Functions as an activator of NF-kappa-B through increased phosphorylation of the IKK complex. May function in neuronal cells differentiation. May play a role in vesicular transport from endoplasmic reticulum to Golgi.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG224423