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Product datasheet for RN217720

Tanc2 (NM_001191653) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tanc2 (NM_001191653) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tanc2
Synonyms:	RGD1309285
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN217720 representing NM_001191653 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTTTCGGAATAGTCTCAAGATGCTTCTTACTGGTGGGAAATCAAGTCGGAAAAATAGGTCAAGTGATG GAGGAAGCGAGGAACCACCGGATCGAAGACAGTCAAGTGTAGATTCTCGCCAAAGCCGCTCTGGGCCAGG TGGCATCTCCACAGAAAGTGATTGTGCTTTTGAGCCAGACTACGCCGTTCCAGCACTTCCAGTGAGTGAA GGTGATGTTGAACAGGAACTTGGCCCACCTCCATCTGTAGATGAGGCAGCAAACACACTCATGACTCGTC TGGGTTTCCTCCTTGGAGAGAAAGTCACAGAAGTACAACCAGGTGACCAATACAGCATGGAGGTACAGGA TGAAAATCAGACCTCAGCAATCACCCAGCGAATAAGTCCCTGCTCCACCTTGACAAGCAGCACTGCCTCT CCACCAGCCAGCAGCCCCTGTTCTACGCTCCCACCAGTCAGTACAAATGCAACTGCCAAAGACTGTAGCT ATGGGGCTGTCACTAGCCCCACCTCCACCCTAGAAAGCAGAGACAGTGGCATCATTGCAACATTAACAAA TTATTCTGAAAACATGGAGCGAACAAAATATGTTGGGGAAGCCGGTAAAGAATTGGGCTCTGGAGGAAAT CTAAAACCATGGCAGTCTCAAAAATCCAGCATGGACTCCTGTCTGTACCGAGTGGATGAAAACATGGCTG CATCCACATACAGTCTGAACAAGATCCCGGAGCGGAATCTAGAAACAGTTTTATCACAGTCTGTACAGTC TATTCCTTTGTATCTCATGCCTCGGCCAAATTCTGTAGCAGCCACCAGTTCTGCCCACTTGGAGGACCTT GCTTACCTGGATGAGCAGAGACATACTCCTTTGAGGACGTCTCTTCGAATGCCAAGACAGAGCATGAGTG GTGCTCGCACACAGCAGGATCTCAGAGTTCGATTTGCACCTTACAGACCTCCAGATATCTCCCTGAAGCC CCTCCTCTTTGAAGTGCCCAGCATTACCACAGAGTCAGTGTTTGTTGGCCGAGATTGGGTATTCCATGAG ATCGATGCTCAGCTGCAGAGTTCCAATGCCAGCGTGAACCAAGGAGTAGTGATTGTGGGAAACATTGGGT TTGGCAAAACTGCCATCATCTCCAGACTGGTGGCCCTCAGCTGCCATGGTACACGGATGAGACAGATCGC CTCTGATAGCCCACACGCCTCCCCTAAACATGTGGATGCCAACAGAGAGCTACCCCTTACCCAAGCACCT TCAGCCCACTCTTCTATTGCCAGTGGAAGCTGTCCAGGAACTCCAGAAATGCGCAGGCGGCAGGAGGAAG CCATGCGGAGACTTGCCTCACAGGTGGTTGCCTATCACTATTGCCAAGCAGACAATGCCTATACCTGCCT GGTACCAGAATTTGTCCACAATGTTGCTGCCCTGCTCTGCCGCTCACCTCAGCTGACAGCTTACCGGGAG

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CAGCTTCTTCGGGAGCCTCACCTGCAGAGCATGCTAAGCCTCCGGTCCTGTGTCCAAGACCCCATGGCCT
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AGAGACCATTTGTGGAGTCTAATGTTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001191653

Insert Size: 5979 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001191653.1, NP_001178582.1

RefSeq Size: 7024 bp

RefSeq ORF: 5979 bp

Locus ID: 303599

UniProt ID: F1LTE0

Cytogenetics: 10q32.1

Gene Summary: Scaffolding protein in the dendritic spines which acts as immobile postsynaptic posts able to recruit KIF1A-driven dense core vesicles to dendritic spines.[UniProtKB/Swiss-Prot Function]