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Product datasheet for SC318699

TANC2 (NM_025185) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TANC2 (NM_025185) Human Untagged Clone
Tag:	Tag Free
Symbol:	TANC2
Synonyms:	IDDALDS; rols; ROLSA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC318699 representing NM_025185. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTTCGGAATAGTCTCAAGATGCTGCTTACTGGTGGGAAATCAAGTCGTAAAAACAGGTCAAGTGAT
GGAGGGAGCGAGGAACCACCGGATCGAAGACAGTCAAGTGTAGACTCTCGCCAAAGCCGCTCTGGGCAA
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CGTCTGGGTTTCCTCCTTGGAGAGAAAGTCACAGAAGTTCAGCCAGGTGACCAATACAGCATGGAAGTA
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CAGCTGACAGCCTATCGGGAGCAGCTTCTTCGGGAACCTCACCTGCAGAGCATGCTGAGCCTTCGTTCC

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TGTGTTCAAGACCCCATGGCCTCCTTCCGGAGGGGAGTTCTGGAGCCACTAGAAAATCTCCATAAAGAG
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CAGAATGGCCATTTGCTGGAGGACGATTATTACAGCCCCCATGGGATGCTGGCTAACGGGTCTCGTGGA
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GCTCAGGCATACCAGGACAACCTGTACAGGCAGCTGTCCCGAGACTCTCGGCAAGGGCAGACATCCCCT
ATCAAACCAAAGAGACCGTTCGTGGAGTCTAATGTTTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_025185

Insert Size: 5973 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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_025185.3

RefSeq Size: 11747 bp

RefSeq ORF: 5973 bp

Locus ID: 26115

UniProt ID: Q9HCD6

Cytogenetics: 17q23.2-q23.3

Domains: TPR, ANK

MW:	219.6 kDa
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]