

Product datasheet for **SC116416**

TRAX (TSNAX) (NM_005999) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRAX (TSNAX) (NM_005999) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRAX
Synonyms:	C3PO; TRAX
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116416 sequence for NM_005999 edited (data generated by NextGen Sequencing)

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ATGAGCAACAAAGAAGGATCAGGAGGGTTCAGGAAAAGGAAGCATGACAATTTCCACAT
AACCAAAGAAGAGAAGGGAAGGATGTTAATTCATCTTCACCCGTGATGTTGGCCTTTAAA
TCATTTACAGCAGGAACCTTGATGCAAGGCATGACAAATATGAGAGACTTGTGAACTTAGT
CGGGATATAACTGTTGAAAGTAAAAGGACAATTTTTCTCCTCCATAGGATTACAAGTGCT
CCTGATATGGAAGATATATTGACTGAATCAGAAATTAATTGGATGGTGTGAGACAAAAG
ATATCCAGGTAGCCCAAGAGCTATCAGGGGAAGATATGCATCAGTTCCATCGAGCCATT
ACTACAGGACTACAGGAATATGTGGAAGCTGTCTTTTTCAACACTTCATCAAAACACGA
TCATTAATTAGTATGGATGAAATTAATAAACAATTGATATTTACGACTGAAGACAATGGG
AAAGAAAATAAACTCCCTCCTCTGATGCACAGGATAAGCAGTTTGGTACTTGGAGACTG
AGAGTCACACCTGTCGATTACCTTCTGGGAGTGGCTGACTTAACTGGAGAATTGATGCGG
ATGTGTATTAACAGTGTGGGGAATGGGGACATTGATACCCCTTTGAAGTGAGCCAGTTT
TTACGTACAGGTTTATGATGGGTTTTTATTTCATTGGCAACACTGGACCTTACGAGGTTTCT
AAGAAGCTGTATACCTTGAAACAAAGTTTGGCCAAAGTGGAGAATGCTTGTATGCCTTG
AAAGTCAGAGGGTCAGAAATCCAAAACATATGTTGGCAGATGTGTTTTTCAGTTAAAACA
GAAATGATAGATCAAGAAGAGGGCATTCTTAG
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Clone variation with respect to NM_005999.2



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005999 unedited
 ATTTTAGATTTTGTAAATACGACTTACTATAGGGNCCGGCCGCAATTCGGCACGAGGCG
 GCTGCAAAGCGTTTTTCTGCAGGCTGTTTTCCAGGTTCCCTCGGCCTGTACCTCGCGCA
 CTCCTCTTGCTCCAGGTCCTTCAGTCTCCGCTCGTCTCACCGTAGGCTGTGACGACATGA
 GCAACAAAAGAAGGATCAGGAGGGTTCAGGAAAAGGAAGCATGACAATTTCCACATAACC
 AAAGAAGAGAAGGAAGGATGTTAATTCATCTTCACCCGTGATGTTGGCCTTTAAATCAT
 TTCAGCAGGAACCTTGATGCAAGGCATGACAAATATGAGAGACTTGTGAACTTAGTCGGG
 ATATAACTGTTGAAAGTAAAAGGACAATTTTTCTCTCCATAGGATTACAAGTGCTCCTG
 ATATGGAAGATATATTGACTGAATCAGAAATTAATTTGGATGGTGTGAGCAAAAAGATAT
 TCCAGGTAGCCCAAGAGCTATCAGGGGAAGATATGCATCAGTTCCATCGAGCCATTACTA
 CAGGACTACAGGAATATGTGGAAGCTGTCTTTTTCAACACTTCATCAAAACACGATCAT
 TAATTAGTATGGATGAAATTAATAAACAATTGATATTTACGACTGAAGACAATGGGAAAG
 AAAATAAACTCCCTCTCTGATGCACAGGATAAGCAGTTTGGTACTTGGAGACTGAGAG
 TCACACCTGTCGATTACCTTCTGGGAGTGGCTGACTTAACTGGAGAATTGATGCNGATGT
 GTATTAACAGTGTGGGAATGGGGACATTGATCCCCCTTTGAGTGAGCCAGTTTTTACG
 TCAGGTTTATGATGGGGTTTCATTTCATTGGNCACACTGGNATTNACGAGNTTNNCTAGAA
 GCTGTATACCTTGAAACAAT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005999 unedited
 TGACCGCGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTA
 CTAGGCATGTCCATGTTTTATTTCTTTAGGGTTTTTCTGGAAAATTACATTTTCAAGG
 AATCAGCCCTTACAAACAGAGCTAATCTTTCAAAAAATAAAACCCAGTATCTAAATTCTC
 AAAACTTACAAAACCACTGGAAATGTCTGGTTGCATGCTCAATTCAGTTTTCACATCAC
 AAGTAATCATCTATAACTATTTAGTAGGCAAAATCCAATTCTAAATATTAATAACGATT
 ACCATTGTTATTCTCAACTGGGTTGACAATTGTCTTATTGCTGAATTGTTCAATAACAT
 CTTCTTTGGCACTTTATTAACCCATGGGACAATAAAGGTCTGGATTAAGTTAGTATT
 TCAAACTTCATTATAATTATTTAAAAGTAAATGCTAGACTTAAATATTTAAATTTAA
 TGCTAGATTTAAATATTTAATTTTAAATAAAATTTAAATTTAAATGCTAGAATAGGAAAG
 CCTCCAAACATGCCTAATAACAAAAACAAAAATGCTAAATAATCACTACTAAAAGCA
 TTTTCCATTGGATGTACAAGTATATAACTCAACTTTACCAACAAAAATATTATAATTTAC
 CTCCAATTCTCTATCAGACCTACTGTGATTAATAAAAAACAAAAATAATGGAGAAGCA
 CATCTGGCCCCCTGTCAAATTTTTATGGAAGGGTGGTTTATATCAAATTTAAATGGCTT
 AAAAAACAACAAAATGCCGAATTTTCACTATAACACCTTATAAACGGGCACTTCCTTTCT
 CCTTCTCTTTTTAGAAAGGGAACCTTGTCTTTTACCAGCCTTGGATGCAACGGG

Restriction Sites:

NotI-NotI

ACCN:

NM_005999

Insert Size:

2680 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).

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_005999.2](#), [NP_005990.1](#)

RefSeq Size: 2667 bp

RefSeq ORF: 873 bp

Locus ID: 7257

UniProt ID: [Q99598](#)

Cytogenetics: 1q42.2

Domains: Translin

Gene Summary: This gene encodes a protein which specifically interacts with translin, a DNA-binding protein that binds consensus sequences at breakpoint junctions of chromosomal translocations. The encoded protein contains bipartite nuclear targeting sequences that may provide nuclear transport for translin, which lacks any nuclear targeting motifs. [provided by RefSeq, Jul 2008]