

Product datasheet for **RG204023**

TRAX (TSNAX) (NM_005999) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRAX (TSNAX) (NM_005999) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TSNAX
Synonyms:	C3PO; TRAX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204023 representing NM_005999 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCAACAAAGAAGGATCAGGAGGGTTCAGGAAAAGGAAGCATGACAATTTCCACATAACCAAAGAA
GAGAAGGGAAGGATGTTAATTCATCTTCACCCGTGATGTTGGCCTTTAAATCATTTCAGCAGGAACCTTGA
TGCAAGGCATGACAAATATGAGAGACTTGTGAACTTAGTCGGGATATACTGTTGAAAGTAAAAGGACA
ATTTTTCTCCTCCATAGGATTACAAGTGCTCCTGATATGGAAGATATATTGACTGAATCAGAAATTAAT
TGGATGGTGTGAGACAAAAGATATTCAGGTAGCCAAGAGCTATCAGGGGAAGATATGCATCAGTTCCA
TCGAGCCATTACTACAGGACTACAGGAATATGTGGAAGCTGTCTCTTTCAACACTTCATCAAAACACGA
TCATTAATTAGTATGGATGAAATTAATAAAACAATTGATATTTACGACTGAAGACAATGGGAAAGAAAATA
AACTCCCTCCTCTGATGCACAGGATAAGCAGTTTGGTACTTGGAGACTGAGAGTCACACCTGTCGATTA
CCTTCTGGGAGTGGCTGACTTAAGTGGAGAATTGATGCGGATGTGTATTAACAGTGTGGGAAATGGGGAC
ATTGATACCCCTTTGAAGTGAAGTGGCCAGTTTTACGTCAGGTTTATGATGGGTTTTTCATTTCATTGGCAACA
CTGGACCTTACGAGGTTTCTAAGAAGCTGTATACCTTGAACAAAGTTTGGCCAAAGTGGAGAATGCTTG
TTATGCCTTGAAGTCAGAGGGTCAGAAATTCAAAACATATGTTGCCAGATGTGTTTTTCAGTAAAAACA
GAAATGATAGATCAAGAAGAGGGCATTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG204023 representing NM_005999
 Red=Cloning site Green=Tags(s)

MSNKEGSGGFRKRKHDNFPHNQRREGKDVNSSSPVMLAFKSFQQELDARHDKYERLVKLSRDITVESKRT
 IFLLHRITSAPDMEDILTESEIKLDGVRQKIFQVAQELSGEDMHQFHRAITTLGLQEYVEAVSFQHFIKTR
 SLISMDEINKQLIFTTEDNGKENKTPSSDAQDKQFGTWRLRVTPVDYLLGVADLTGELMRMCINSVGN
 IDTPFEVSQFLRQVYDGFSGFIGNTGPYEVSKKLYTLKQSLAKVENACYALKVVRGSEIPKHMADLVF SVKT
 EMIDQEEGIS

TRTRPLE - GFP Tag - V

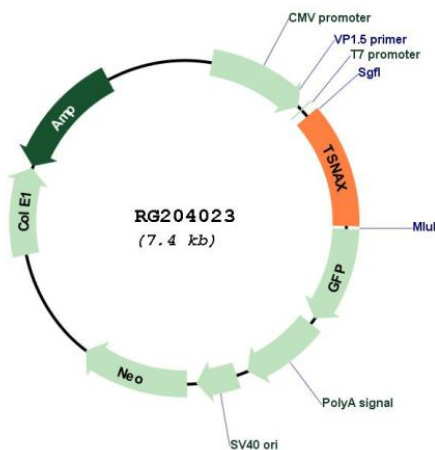
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_005999

ORF Size: 870 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:	<ol style="list-style-type: none">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_005999.3
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]