

Product datasheet for MC207707

Trnau1ap (NM_027925) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trnau1ap (NM_027925) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trnau1ap
Synonyms:	1110007F05Rik; AA387999; Secp43; Trspap1; W11-2643G14.2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC207707 representing NM_027925 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCCAGCCTATGGATGGGAGACCTGGAACCCTACATGGATGAGAAGCTTCATCTCTAGAGCCTTTG
CCACCATGGGGGAGACCGTGATGAGCGTCAAATATCCGAAACCGCCTCACTGGAATCCAGCTGGCTA
CTGCTTTGTGGAATTCGAGATTTGGCCACAGCCGAGAAGTGTTCATAAAATTAATGGAAACCCCTT
CCGGGAGCCACTCTGCAAACGTTTTAACTGAATTATGCCACTTATGGGAAACAGCCAGACAATAGCC
CTGAGTACTCCCTGTTTGTGGGGACCTGACCCCGACGTGGACGATGGCATGCTGTATGAGTTCCTTGT
CAAAGTCTACCCGCTCTGCCGGGAGGCAAGGTGGTTTTGGACCAACAGCGTGTCTAAGGGCTATGGT
TTTGTGAAATTCACAGATGAGTTGGAACAGAAGCGAGCCTTGACGGAGTGCCAGGGAGCAGTGGGACTGG
GGTGTAACCCGTCGCGCTGAGTGTGGCCATCCCTAAAGCGAGCCGGGTAAGCCAGTGGAGTACAGCCA
GATGTACAGTTACAGCTACAACAGTATTACCAGCAGTACCAGAACTACTATGCCAGTGGGGCTATGAC
CAGAACACAGGCAGCTACAGCTACAGCTACCCAGTATGGCTACACCCAGAGCACCATGCAGACATATG
AAGAGTTGGGGATGATGCTCTGGAAGACCCAGCCCCACAGCTGGATGTGACTGAAGCCAACAAAGATT
CATGGAGCAGAGCGAGGAAGTACGATGCTCTGATGGACTGTCACTGGCAGCCCTGGACACTGTATCC
TCAGAGATCCAGCTATGATG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_027925
Insert Size:	864 bp



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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:	<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_027925.3 , NP_082201.2
RefSeq Size:	1146 bp
RefSeq ORF:	864 bp
Locus ID:	71787
UniProt ID:	Q80VC6
Cytogenetics:	4
Gene Summary:	Involved in the early steps of selenocysteine biosynthesis and tRNA(Sec) charging to the later steps resulting in the cotranslational incorporation of selenocysteine into selenoproteins. Stabilizes the SECISBP2, EEFSEC and tRNA(Sec) complex. May be involved in the methylation of tRNA(Sec). Enhances efficiency of selenoproteins synthesis.[UniProtKB/Swiss-Prot Function]