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Product datasheet for SC321354

TRSPAP1 (TRNAU1AP) (NM_017846) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRSPAP1 (TRNAU1AP) (NM_017846) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRSPAP1
Synonyms:	PRO1902; SECP43; TRSPAP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_017846.4
CCACCCCGGTGCGCGGGTATGGCGGCCAGCCTGTGGATGGGCGACCTGGAACCCTACATG
GATGAGAACTTCATCTCCAGAGCCTTTGCCACCATGGGGGAGACCGTAATGAGCGTCAAA
ATTATCCGAAACCGCCTCACTGGGATCCCAGCTGGCTACTGCTTTGTAGAATTTGCAGAT
TTGGCCACAGCTGAGAAGTGTTTGCATAAAATTAATGGGAAACCCCTTCCAGGAGCCACA
CCTGCGAAACGTTTTAAACTGAACTATGCCACTTACGGGAAACAACCAGATAACAGCCCT
GAGTATTCCCTCTTTGTGGGGGACCTGACCCCGGACGTGGATGATGGCATGCTGTATGAA
TTCTTCGTCAAAGTCTACCCCTCCTGTCGGGGAGGCAAGGTGGTTTTGGACCAGACAGGC
GTGTCTAAGGGTTATGGTTTTGTGAAATTCACAGATGAACTGGAACAGAAGCGAGCCCTG
ACGGAGTGCCAGGGAGCAGTGGGACTGGGGTCTAAGCCTGTGCGGCTGAGCGTGGCAATC
CCTAAAGCGAGCCGTGTAAAGCCAGTGGAATATAGTCAGATGTACAGTTATAGCTACAAC
CAGTATTATCAGCAGTACCAGAACTACTATGCTCAGTGGGGCTATGACCAGAACACAGGC
AGCTACAGCTACAGTTACCCCCAGTATGGCTATACCCAGAGCACCATGCAGACATATGAA
GAAGTTGGAGATGATGCATTGGAAGACCCCATGCCACAGCTGGATGTGACTGAGGCCAAC
AAGGAGTTCATGGAACAGAGTGAGGAGCTGTATGACGCTCTGATGGACTGTCACTGGCAG
CCCCTGGACACAGTGTCTTCAGAGATCCCTGCCATGATGTAGCCAGGCCAAAGGACAAGC
CAGGTTGCATGATGTGAGGGAGATGAGAGACTCCTTTTTAAAAATTGTGAAACCTTTTTG
GAAATATGATTTGTAAGATTTTAATAATGACTGTTTTTGGAGATCATGAATGTTTCTACA
ACACTGCTGCATTCATTTGACCATTTGAGTTTGAAGACCAAGGGAACAACTTTTAAACAA
GGTTCAAATTGGTTTCCTTCACAGGAATCCTTTGTCCAGGTAGTTATCCACATAGGACAG
TTTGGGATTATCCAAAACTGGGATGAGCAGCTTGGGATAATTCACACACTAAAGCCTGAG
TTCAAGGTTTCTCAGTTGACAGGTAGGTATGTAAATCAGGGTTCTCTGGAGTATTTGTAG
GACCTGCCATATTTGAGTCCTAACTTGGTGCAAGTCTGGCAGCTAGGTAGAAAAGGCACT
CTAGCAGGTGTGGTAGGAGCACGCCCCAGAAGGTAGAATGTGGTGGGGTGTGATGGAACA
GGCCAGTTGGCCTAAGAATTAGTACTTGCTCTAATAATGGGTTTCATCTATTTTCATGAG
TTGCAGCATCTGCATATACAAGGCCTGGATCACTTTAGGATCAATATTTTGACACGGGAG
AAGGCAGCTCAGAAAGGATTAAGGAAGATAGCTCAAAGCCAAAGCAGACCCTCCGTGTGA
ACTTTATACTGCTCACTTCCGTGTTTCCCAAGTAAATGGGGAAACTGTCCAACCTTGTCA
TGTGTTGGGACTTACTGCTTGAGGCAAAGCATTCATCCTACATCATAAAAAATCTCCAAA
GATCTCTTTAAGGGCTGGGCATGGTGGCTCACTTTGGGAGATGGATTGCTTGAGCTCGGG
AAGAGACCAGTTCGGTCTCTACAAAAAAATACAAACACAAATATAAAAAAAAAAAAAAAA
AA

Restriction Sites: Please inquire

ACCN: NM_017846

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_017846.4, NP_060316.1
RefSeq Size:	1884 bp
RefSeq ORF:	864 bp
Locus ID:	54952
UniProt ID:	Q9NX07
Cytogenetics:	1p35.3
Domains:	RRM
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 (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the protein-coding transcript.