

Product datasheet for RN210623

Thoc6 (NM_024384) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thoc6 (NM_024384) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Thoc6
Synonyms:	Pdrp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN210623 representing NM_024384 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACATGCCACACCGCTCGCGGTGCCTCTGGGTGAGGCTGAGGTATTCAGGCCTTGCAGCGGCTGC
ACATGACCATCTTTCCAGAGTGTCTCGCCCTGTGGGAAGTTCTGGCAGCTGGCAACAATTATGGGCA
GATTGCCATCTTCAGTTTGTCTGCTGCCTAAGTTCAGAAGCCAAAGAAGAAAGCAAAAAGCCTATGGTG
ACCTTCCACGCCCATGACGGACCTGTCTACAGCATGGTCTCCACGGACCGACATCTACTCAGTGTGGGG
ACGGAGAGGTCAAGGGCTGGCTTTGGGCAGAAATACTGAAGAAGGGCTGTAAAGAACTGTGGCGTCGCCA
GCCTCCATACAGGACCAGCCTGGAAGTTCCTGAAATCAACGCCTTGCTGCTTGCCCAAGGAGAATTCA
CTTATCCTAGCTGGGGGAGATTGTCAGCTGCACACCATGGATCTGGAAACTGGGACCTTCACACGGGCC
TCCGGGGCCACACAGACTACATCCATTGCCTGGCACTGAGGGAACGCAGCCCTGAGGTATTGTCCGGTGG
CGAGGATGGAGCTGTACGGCTTTGGGATCTCCGTATAGCCAAAGAGGTCCAGACCATCGAAGTCTACAAG
CATGAGGAGTGTCAAGGCCCAATGGGCGCTGGATTGGATGCTTGGCAACTGACTCAGACTGGATGG
TCTGTGGAGGGGGCCAGCCCTCACCTCTGGCACCTCAGGTCTCCACACCCACTACGGTCTTTCCCAT
TCGAGCACCACAGAAACATGTCACCTTCTACCAGACCTGATCCTGTCTGCTGGCCAGGGCTGTTGTGTC
AATCACTGGCAACTGAGTGGGAGCTTAAAGGCCAGGTGCCTCCTCCCAAGGACTGCTCAGCCTGA
GCCTCAACCAGCAGCCAGCAGCCAGAGTGTAAAGTCTGACTGCATCAGGCAACAGCTGTCGAGTAGA
CGTCTTTACCAACCTGGGCTACCGAGCCTTCTCCCTGTCTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



[View online »](#)

ACCN:	NM_024384
Insert Size:	1026 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:	<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_024384.2 , NP_077360.2
RefSeq Size:	1475 bp
RefSeq ORF:	1026 bp
Locus ID:	79227
UniProt ID:	Q6AY87
Cytogenetics:	10q12
Gene Summary:	Acts as component of the THO subcomplex of the TREX complex which is thought to couple mRNA transcription, processing and nuclear export, and which specifically associates with spliced mRNA and not with unspliced pre-mRNA. TREX is recruited to spliced mRNAs by a transcription-independent mechanism, binds to mRNA upstream of the exon-junction complex (EJC) and is recruited in a splicing- and cap-dependent manner to a region near the 5' end of the mRNA where it functions in mRNA export to the cytoplasm via the TAP/NFX1 pathway. Plays a role in apoptosis negative control involved in brain development (By similarity).[UniProtKB/Swiss-Prot Function]