

Product datasheet for SC319607

Tbp7 (PSMC4) (NM_006503) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tbp7 (PSMC4) (NM_006503) Human Untagged Clone
Tag: Tag Free
Symbol: Tbp7
Synonyms: MIP224; RPT3; S6; TBP-7; TBP7
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_006503.2
 CAGAGGCCGGCTTGGTCACTATGGAGGAGATAGGCATCTTGGTGGAGAAGGCTCAGGATG
 AGATCCCAGCACTGTCCGTGTCCCGCCCCAGACCGCCCTGTCTTCTGGGCCCTGAGC
 CTGAGGACCTGGAGGACCTGTACAGCCGTACAAGAAGCTGCAGCAAGAGCTGGAGTTCC
 TGGAGGTGCAGGAGGAATACATCAAAGATGAGCAAAAAGAACCTGAAAAAGGAATTTCTCC
 ATGCCAGGAGGAGTGAAGCGAATCAAAGCATCCCCTGGTTCATCGGACAATTTCTGG
 AGGCTGTGGATCAGAATACAGCCATCGTGGGCTCTACCACAGGCTCCAATATTATGTGC
 GCATCCTGAGCACCATCGATCGGGAGCTGCTCAAGCCCAACGCCCTCAGTGGCCCTCCACA
 AGCACAGCAATGCACTGGTGGACGTGCTGCCCCCGAAGCCGACAGCAGCATCATGATGC
 TCACCTCAGACCAGAAGCCAGATGTGATGTACGCGGACATCGGAGGCATGGACATCCAGA
 AGCAGGAGGTGCGGGAGGCCGTGGAGCTCCCGCTCACGCATTTTCGAGCTCTACAAGCAGA
 TCGGCATCGATCCCCCGAGGCCCTCATGTATGGCCACCTGGCTGTGGGAAGACCA
 TGTTGGCAAAGGCGGTGGCACATCACACAACAGCTGCATTCATCCGGGTGCTGGGCTCGG
 AGTTTGTACAGAAGTATCTGGGTGAGGGCCCCCGCATGGTCCGGGATGTGTTCCGCCTGG
 CCAAGGAGAAATGCACCTGCCATCATCTTCATAGACGAGATTGATGCCATCGCCACCAAGA
 GATTCGATGCTCAGACAGGGGCCGACAGGGAGGTTAGAGGATCCTGCTGGAGCTGCTGA
 ATCAGATGGATGGATTTGATCAGAATGTCAATGTCAAGTAATCATGGCCACAAACAGAG
 CAGACACCCTGGATCCGGCCCTGCTACGGCCAGGACGGCTGGACCGTAAAATTGAATTTCC
 CACTTCTGACCGCCGCGCAGAAGAGATTGATTTTCTCCACTATCACTAGCAAGATGAACC
 TCTCTGAGGAGGTTGACTTGGAAGACTATGTGGCCCGCCAGATAAGATTTTCAGGAGCTG
 ATATTAACCTCATCTGTCAAGAGAGTGAATGTTGGCTGTCCGTGAAAACCGCTACATTG
 TCCTGGCCAAGGACTTCGAGAAAGCATAACAAGACTGTCAATCAAGAAGGACGAGCAGGAGC
 ATGAGTTTTACAAGTGACCCTTCCCTTCCCTCCACCACACCACTCAGGGGCTGGGCTTC
 TCTCGACCCCCAGCACCTCTGTCCAAAACCTCATTCCCTTTTTTTCTTTACCCAGGATT
 GGTTTCTCAATAAATAGATAAGATCGAATCCAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire



[View online »](#)

ACCN:	NM_006503
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:	<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:	<u>NM_006503.2</u> , <u>NP_006494.1</u>
RefSeq Size:	1450 bp
RefSeq ORF:	1257 bp
Locus ID:	5704
UniProt ID:	<u>P43686</u>
Cytogenetics:	19q13.2
Domains:	AAA, AAA
Protein Families:	Druggable Genome
Protein Pathways:	Proteasome

Gene Summary:

The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. This gene encodes a member of the triple-A family of ATPases that is a component of the 19S regulatory subunit and plays a role in 26S proteasome assembly. The encoded protein interacts with gankyrin, a liver oncoprotein, and may also play a role in Parkinson's disease through interactions with synphilin-1. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jul 2012]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.