

Product datasheet for **SC320179**

Torsin A (TOR1A) (NM_000113) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Torsin A (TOR1A) (NM_000113) Human Untagged Clone
Tag:	Tag Free
Symbol:	Torsin A
Synonyms:	AMC5; DQ2; DYT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_000113.2
GTCGGCGCGAGAACAAGCAGGGTGGCGGGTCCGGGCATGAAGCTGGGCCGGGCCGTGC
TGGCCCTGCTGCTGCTGGCGCCGTCCGTGGTGCAGGCGGTGGAGCCCATCAGCCTGGGAC
TGGCCCTGGCCGCGTCTCACC GGCTACATCTACCCGCGTCTCTACTGCCTCTTCGCC
AGTGCTGCGGGCAGAAGCGGAGCCTTAGCCGGGAGGCACTGCAGAAGGATCTGGACGACA
ACCTCTTTGGACAGCATCTTCAAAGAAAATCATCTTAAATGCCGTGTTTGGTTTCATAA
ACAACCCAAAGCCCAAGAAACCTCTCACGCTCTCCCTGCACGGGTGGACAGGCACCGGCA
AAAATTTTCGTCAGCAAGATCATCGCAGAGAATATTTACGAGGGTGGTCTGAACAGTGACT
ATGTCCACCTGTTTGGCCACATTGCACTTTCCACATGCTTCAAACATCACCTTGAC
AGGATCAGTTACAGTTGGATTTCGAGGCAACGTGAGTGCCTGTGCGAGGTCATCTTCA
TATTTGATGAAATGGATAAAGATGCATGCAGGCCTCATAGATGCCATCAAGCCTTTCCTCG
ACTATTATGACCTGGTGGATGGGGTCTCCTACCAGAAAGCCATGTTTCATATTTTCAGCA
ATGCTGGAGCAGAAAGGATCACAGATGTGGCTTTGGATTTCTGGAGGAGTGGAAAGCAGA
GGGAAGACATCAAGCTCAAAGACATTGAACACGCGTTGTCTGTGTCGGTTTTCAATAACA
AGAACAGTGGCTTCTGGCACAGCAGCTTAATTCACCGAACCTCATTGATTATTTTGTTC
CCTTCTCCCCCTGGAATACAAACACCTAAAAATGTGTATCCGAGTGGAAATGCAGTCCC
GAGGCTATGAAATTGATGAAGACATTGTAAGCAGAGTGGCTGAGGAGATGACATTTTCC
CCAAAGAGGAGAGAGTTTTCTCAGATAAAGGCTGCAAAACGGTGTTCACCAAGTTAGATT
ATTACTACGATGATTGACAGTCATGATTGGCAGCCGGAGTCACTGCCTGGAGTTGGAAAA
GAAACAACACTCAGTCTTCCACACTTCCACCCAGCTCCTTTCCCTGGAAGAGGAATC
CAGTGAATGTTCTGTTTGTGATGTGACAGGAATTCTCCCTGGCATTGTTTCCACCCCTGG
TGCTGCAGGCCACCCAGGGACCACGGCGAGGACGTGAAGCCTCCGAAGACGCACAGA
AGGAAGGAGCCAGCTCCCAGCCACTCATCGCAGGGCTCATGATTTTTTACAAATTATGT
TTTAATTCCAAGTGTCTGTTTCAAGGAAGGATGAATAAGTTTTATTGAAAATGTGGTA
ACTTTATTTAAAATGATTTTTAACATTATGAGAGACTGCTCAGAAAAAAAAAAAAAAAAAA
AA



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Restriction Sites:	Please inquire
ACCN:	NM_000113
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_000113.2</u> , <u>NP_000104.1</u>
RefSeq Size:	2117 bp
RefSeq ORF:	999 bp
Locus ID:	1861
UniProt ID:	<u>O14656</u>
Cytogenetics:	9q34.11
Protein Families:	Druggable Genome, Protease
Gene Summary:	The protein encoded by this gene is a member of the AAA family of adenosine triphosphatases (ATPases), is related to the Clp protease/heat shock family and is expressed prominently in the substantia nigra pars compacta. Mutations in this gene result in the autosomal dominant disorder, torsion dystonia 1. [provided by RefSeq, Jul 2008]