

Product datasheet for MC223289

Topors (NM_134097) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Topors (NM_134097) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Topors
Synonyms:	AW105885; LUN; p53BP3/LUN; TP53BPL
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223289 representing NM_134097 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGTCGCAGCCGCCACCGGGTCTCCGCTGTCTCGCGAGGAGGGTGAAGCGCCCCCTCTGGTGC
CTGCCGAGGAGGGGAGGCCGCGAAGCCGCGGGTACGCCCTTCGCGGATCCTGCCGCCACCGCCGAGCTT
ACTGAGCCGGCGGAGCTGGCTTCCAACGGCCAGCGGTTCTGCCACCGCGTCTCGGAGATAATGGCC
TCAGCTGCTAAGGAATTTAAAATGGACAACTTTTACCTAAAGCTGGCACTAGCAAATTGCAGCAGACAG
TACCAGCTGATGCGTCTCCTGATTCTAAGTGTCTATATGCTTGGATAGATTTGATAATGTGCTTACTT
AGATCGTTGCCTACATAAGTTCTGTTTTCGCTGTGTACAAGAGTGGTCCAAAAACAAGCCGAATGCCCA
CTGTGTAAACAGCCCTTTGATTCTATTTCCATTCAGTGAGGGCTGAAGATGACTTCAAGGAGTATGTCC
TGAGGCCCTTCTATAATGGTTCCTTTACTAACCCTGAGGTTTGAAGGTTTCGCTACCGGACAACATGAC
GAGAGAACGGAGCGCCTCTTTTATCCCCAGTAGTACTGTAAGTAGGAGAACAACCACGCCACCAGAT
AGTGGAGTGTGTTTGAAGGGTTAGGCATTTGACAAGACCTAGAGATGTTGACATTCCTCAATTTATGA
GACAAATGGCATTAAAGGGGGCCAACACTACAGATGAGAGATCTTTCGCGAAAATTCAAGAACAAGATAT
TATTAATTTTCAGGCGAACTCTTTATCGTGCTGGTTCGAGTTAGAAGTATTGAAGATGGTGGCCGCTAC
AGGGATATTTTCAGCTGAGTCTTCCGTAGAAAATCCAGCTTGCCTTACAGATTAGTTCCTTGGTTAAAGC
GTGAACCTACTGTGCTTTTTGGAGCCATGGTTCGCTAGTCAATATCGTCCAGCACATCATCATGAGTAA
TGTTACTCGCTATGATTTGGAGAGTCAGGCATTTGTGTCTGACTTAAGACCATTTTTGCTTAATCGAACT
GAGCATTTTATACATGAATTTATCAGTTTTGCTAGATCTCCCTTCAATATGGCAGCTTTTGACCAGCATG
CTAATTATGATTGCCCTCCTTCATCTGAAGAAGGCAGCCGTTTCAGATTCTTCAGTCATTACAATATCACC
AGATGAGGCTGAAACTCAAGAGCTAGATATGAATGCATCTACTGTTAGGCAGGCACCGTGGGATGATGAA
ACTCCTGGACCATCTTATTCAAGTTCAGAGCAAGTGCATGTTGGCGTGTCTTCCCTTTAAATTCCTCAG
ACAGTTTCAGATGAAGAGCTGTCTCTGGAGGAACCACATCTCAGATACAAGGAGTACAGACCAATGACGA
TGTCATAATGACAGTGATTCATCGTCAGATAATTGTGTGATTGTTGGGTTTGTAAAGCCATTGGCTGAA
AGGACCCCGAAGTGTGTTGAACTGTCTTCTGATTCTGAGGAGTTGGGCCCTTATGAGAAAGTGGAGACAG



[View online »](#)

TGAAGACTCAGGAGCAAGAGCAGTCGTACAGTTCAGGTGACAGTGATGTTAGCCGGGCGTCATCTCCACG
 CTCTGTCTTGGAAAAGATGAACAAATGAGTAAAAGCCATTGTGATTCTGACACAAGAATAAGCTCAAAG
 AAAGAAGAGAAACGATCTACATCATTGCCAGCTCCCAGGGACAGCTCATCTACAAGAGGTGACAGGGTAT
 GCTCCCATATAACCATCGACACAGGAAGGGAGGAAGGTGAGAGGAGTTCAGATCCCGGTCCCAGAGTAG
 AAGTGGCCATGACCCGAGGAATCACAGGAAGCACGGGAAGAAAAGACTGAGGAACAAGAGGTCCAGAAGC
 AGGGAGAGTAGTAGCAGGCCGAGAGCAAGAAAGGACAAAAAGAGATCCAGAACTAGAGATAGCAGCTGTT
 CCCGGAGGAGCCAGACACTTTCTAAGTAGTGGAAAGCACCAGTAGATCGAGGTCTCGTAGCAGTGATCA
 TGGCAAAAAGAAGATCACGAAGCAGAAATCGAGATCGCTATTATTTAAGAAATAATTATGGAAGCAAATAT
 AAGTGGGAATACACTTACTACAGCAGAAACAAGGACAGAGATGGCTATGAATCATCATACAGGAGGAGGA
 CTCTTTCAAGAGCCATTACTCTAGACAGTCTTCAAGTCCAGAATTTAGAATTCAGTCTTTTTCTGAAAAG
 AACAAATGCGAGGAAGAAGAATCACAGTAAAAGGAAATACTACTACTATGAAAGGCGCCGGTCCAGGAGC
 GTGTCCAGTAACAGGTCGAGGACTACATCCGCCGGGCCGACCGGGTGAAGAAATGAGAAGCCCGGAGGGA
 AACGCAAGTACAAAACCCGGCATTGGAAGGTACCAGTGAAGAGGCTCAGCCGGCTCGGGAGTTCACCTC
 CAAAGGGAAGGACAGTCATTACCAAAAAATCAAATTTGGATGGCAGTTATAAAAAATGAGAGTGACAGCTTT
 TCAGATAGCAGATCATCAGACAGAGAGACAAAACAAGAGGAGGAGGAGGAGGACCCGGAGCCTAAGTG
 TAGAGATAGTTTATGAAGGAAAGGCTACGGACACAAGCAAACACCATAAGAAGAAAAAGAAGAAACATAA
 GAAGAAGCATAAGAAAACCCATGGAGATAATACTTCACGGTCCCGGTGGTTATAACCATCGACAGTGAC
 AGCGATGGAGAGTCTGAAGTAAAGGCGGGTATTGAATGTAGCAATGGCAGTCTTCCACAGCCTATAACAAG
 ATGGAGCATTGAACTAAAGATGTTGTCAACATCGAAGATGAGCTTGGTGTCTGGACAAGGACTGTGA
 CGTTACAGCACTTGCTGATGACTTGAGCACCAGCCAACTGTGGAGAATTGTGACTCGCCGGCAGTCCCA
 GTTGAACAACTTTGATGTAAGAGAAGAAAGCACCTTTCCTCTGATTTGGAGAGCCAGTCGAGTAATG
 TGTCTATTCAGGCTGAACCATCGAGACCAGTCCATCTCCACGGACCTCACTGTATCAGTGTCTCTCTGG
 TAGAGACTGTGATGTGTCTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_134097
- Insert Size:** 3102 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:**
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_134097.3](#), [NP_598858.2](#)
- RefSeq Size:** 3842 bp
- RefSeq ORF:** 3102 bp

Locus ID: 106021

UniProt ID: [Q80Z37](#)

Cytogenetics: 4 A5

Gene Summary: Functions as an E3 ubiquitin-protein ligase and as a E3 SUMO1-protein ligase. Probable tumor suppressor involved in cell growth, cell proliferation and apoptosis that regulates p53/TP53 stability through ubiquitin-dependent degradation. May regulate chromatin modification through sumoylation of several chromatin modification-associated proteins. May be involved in DNA-damage-induced cell death through IKBKE sumoylation.[UniProtKB/Swiss-Prot Function]