OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC201633

Exo5 (NM_028457) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Exo5 (NM_028457) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Exo5
Synonyms:	3110037I16Rik; AV297100; Dem1; Exo V; mExo5
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

Fully Sequenced ORF:

>BC023360 sequence for NM_028457
GTGAAGAGCTAAGGGGCTGCCCCTTTCAGGCACGCCCCTCATTCGGGTTTTTGTTCTGTGCATTTTGGGC
CCGCGATTGAGTCTTTGCGCTTGGGCACACCAGGGGGACTGGGGCTGGGGGCTGAGTGGAAAGCACACGC
CTGCCTGCGTGGAAGGCCTGTAACGAGTCAGGACGCAGAGGATGAAGGCAGCAGCAGGCAGCCGGAAGCC
ATCAGCAAGGCAGGGCCTCCGACCTCAGGCTGCGGCTGGGAACCTGGAGAGCAGAACTTACCGCCTGGAG
ACCTTACCCTTGGAGAGGCCAGTGTTAGGAGGATTTATGACACGCAGCTGCCCTAGCAGTGTGACTCAAG
TGGAAACACCATAATGTGAAGGAGTGGTCAGGTGAAGAGAACAGAAGTCCACATTCCATCATAGCAAGGT
GCCTCCCCATCTCCCCTCGTTTTAATACATGCTCTTCCCTGTGAGGAGGGAAATCAACTAAGGCCCAGGT
CCCTATTTGTTCAATCTAGGGCTGTACCATGGCTGAGACTGGGGAAGAGGAGACAGCATCAGCAGAAGCC
TCAGGGTTTTCAGACTTGAGTGACTCAGAGTTAGTTGAATTTCTGGATCTGGAAGAAGCCAAAGAATCGG
CTGTTTCACTTAGCAAGCCTGGCCCTTCTGCTGAACTCCCTGGGAAGGATGACAAACCAGTAAGCTTGCA
GAACTGGAAAGGGGGATTGGATGTCTTGTCACCCATGGAGAGATTCCACCTGAAATATTTATATGTCACT
GACCTGTGCACTCAGAACTGGTGTGAGTTGCAGATGGTGTACGGGAAGGAGCTTCCTGGTTCGTTGACAC
CTGAGAAAGCAGCTGTTTTGGACACTGGTGCTAGCATCCACCTAGCAAAAGAACTAGAACTTCATGACCT
TGTGACAGTCCCCATCGCCACAAAAGAAGATGCTTGGGCAGTTAAGTTTCTGAACATACTAGCAATGATT
CCTGCCCTACAGTCGGAAGGGCGCGTCAGAGAGTTTCCAGTGTTTGGGGAGGTGGAGGGAATATTTCTTG
TTGGAGTCATTGATGAGTTGCACTACACATCCAAGGGGGAACTAGAGCTGGCTGAACTCAAGACACGAAG
GCGCCCCGTGCTCCCCCTGCCAGCTCAGAAAAAGAAAGACTATTTTCAAGTTAGCCTATACAAATATATC
TTTGATGCCATGGTACAAGGGAAAGTGACTCCTGCTAGCCTAATCCACCACACTAAATTGTGTCTAGACA
AGCCACTGGGACCTTCTGTGCTGAGGCATGCCAGACAAGGAGGCGTGTCTGTAAAATCTTTGGGTGACCT
TATGGAACTGGTTTTCTTGTCTCTTACACTGTCTGATCTCCCAGCTATTGATACCCTAAAACTTGAGTAT
ATCCATCAAGAGACTGCCACTATACTGGGCACAGAGATTGTAGCCTTTGAAGAGAAGGAAGTGAAAAGCA
AGGTGCAGCATTACGTGGCCTACTGGATGGGCCACCGAGATCCTCAAGGCGTTGATGTGGAGGAGGCATG
GAAGTGCCGGACCTGTGACTATGTGGACATCTGCGAGTGGAGGAGGGGCAGTGGAGTGCTCAGCTCATCG
TGGGAGCCCAAAGCCAAGAAGTTTAAATGAATGAAGGTACACTTTCAGAAATGTTGATCGTTTCTGTTCT
TAATATACCCATGTAAGAGGACCAGTCTCTCAGCTTGGCTCTCGTGGACAGTGTTTTTTATGTTTACAAT
CTTGAATAACATTCCATCCCAGGGCCAAAGATCAAGAATGTGGAGAGATGTGGTGTTAGAGTGACCTTGG
AGCTTTCAGGTAAACTGCAAAGAAGACAGATATACATCAGTGCAGCAAAGGTATCCCTCACTAATCACTG
TTGGCTCAAGAAAATTCTTTGGATTCTGATAAATCTTTACTTTTTTCTTGATAATTTTTTTACATTTTTT
ACAATAAAAATGAAATGCTGTCTAAAATAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_028457

Insert Size: 1122 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:	BC023360, AAH23360
RefSeq Size:	2004 bp
RefSeq ORF:	1122 bp
Locus ID:	73172
UniProt ID:	Q9CXP9
Cytogenetics:	4 D2.2
Gene Summary:	Single-stranded DNA (ssDNA) bidirectional exonuclease involved in DNA repair. Probably involved in DNA repair following ultraviolet (UV) irradiation and interstrand cross-links (ICLs) damage. Has both 5'-3' and 3'-5' exonuclease activities with a strong preference for 5'-ends. Acts as a sliding exonuclease that loads at ssDNA ends and then slides along the ssDNA prior to cutting; however the sliding and the 3'-5' exonuclease activities are abolished upon binding to the replication protein A (RPA) complex that enforces 5'-directionality activity (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.