

Product datasheet for **MC221213**

Suz12 (NM_199196) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Suz12 (NM_199196) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Suz12
Synonyms:	2610028O16Rik; AI195385; AU016842; AW536442; D11Ert530; D11Ert530e; mKIAA0160
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221213 representing NM_199196
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCGCCTCAGAAGCACGGCGGTGGGGAGGGGCGGCTCGGGGCCAGCGCGGGTCCGGGGAGGCG
 GCTTCGGGGTTCGGCGCGCGCGGTGGCGCGCGGCTTCGGGCGCAAATCCGGCGCGGGGGCTGTGG
 AGGCGCGCGCAGTTACTCGGCCTCCTCCTCCTCGGCGCGCGCGCGCGCGGGGGCCGCGGTG
 TTGCCGTTGAAGAAGCCGAAATGGAGCACGTCCAGGCTGACCACGAGCTTTTCTCCAGGCCTTTGAGA
 AACCAACACAGATATATAGATTTCTTGAACCTCGAAATCTTATCGACCAATATTTTTGCACAGAACTCT
 TACTTACATGTCTCATCGAAATCCAGAACAAGCATCAAAGGAAACATTTAAAGTTGATGATATGTTA
 TCAAAGTAGAGAAAATGAAAGGAGAGCAAGAATCTCATAGCTTGTCTGCACATTTGCAACTTACATTTA
 CCGTTTTCTCCAAAAATGATAAGCCATCACAAAACAGAAAATGAACAAAATCTGTTACCCTGGA
 AGTCTGTCTGTGAAAGTTTGCACAAAAAAGGAAGGATGTAAGTTGTCCAATAAGACAAGTCCCTACT
 GGTAAAAAGCAGGTGCCTTTGAATCCTGACCTCAATCAAACAAAACCAGGAAATTTCCATCCCTGGCAG
 TTTCCAGTAATGAATTTGAACCTAGTAACAGCCATATGGTGAAGTCTACTCGTTGCTGTTAGAGTAAC
 TCGTCCAGGAAGAAGAGAATTTAATGGAATGATTAATGGAGAAACCAATGAAAATATTGATGTCAGTGAA
 GAACCTCCAGCCAGAAGAAAACGAAATCGCAAGATGGAGAAAAGACATTTGTTGCACAAATGACAGTTT
 TTGACAAAAACAGGCGTTTACAGCTTTTAGATGGGGAATATGAAGTGCCATGCAGGAAATGGAAGAATG
 TCCAATAAGTAAGAAAAGAGCAACATGGGAGACAATCTTGTATGGGAAGAGGCTGCCTCCATTTGAGACA
 TTTTCTCAGGGACCTACATTACAATTTACTCTTCGATGGACAGGAGAAACCAACGATAAGTCTACAGCTC
 CTGTTGCCAAGCCTTTGCCACTAGAAATTCAGAGAGCCTTCATCAGGAAAATAAGCCTGGTTCTGTTAA
 ACCTGCACAAAACATTGCTGTTAAGGAGACGCTGACTACAGAGCTGCAAACAAGAAAAGAAAAGGATAAT
 TCAAATGAAAGTCGCGAGAAGTTAAGAATATTTTATCAGTTCTTTATAACAATAATACAAGACAACAGA
 CAGAAGCCAGAGACGACCTGCACTGCCCGTGGTGCACCTGAACTGCCGTAACCTGTATAGCTTACTCAA
 ACATCTAAAGCTCTGCCACAGCAGGTTTCACTTCAATTACGTATATCATCCAAAAGGTGCTAGGATAGAT
 GTTTCAATCAATGAGTGTATGATGGCTCCTATGCAGGAAATCCTCAGGATATACATCGCCAACCTGGAT
 TTGCTTTTAGTCGAAATGGACCGGTAAGAGAACACCTATCACACATATCTTGTGTTGCAGGCCAAAAAG
 AACAAAAGCAAGCATGTCGGAGTTTCTTGAATCTGAAGATGGAGAAGTGGAGCAGCAGAGAACATACAGC
 AGTGGCCACAATCGTCTCTATTTCCACAGTGATACCTGCTTACCTCTTCGGCCACAAGAAATGGAAGTAG
 ATAGTGAAGATGAGAAAGATCCAGAATGGCTGAGAGAAAAACCAATTAATCAAAATGAAAGATTTTCTGA
 TGTGAATGAAGGAGAGAAAGAAGTGAAGCTGTGGAACCTCCATGTCATGAAGCATGGATTTATTGCT
 GACAATCAAATGAATCATGCCTGTATGCTGTTTGTAGAAAATTATGGACAGAAAATAATTAAGAAGAAAT
 TATGTCGAAACTTCATGCTTCACTAGTCAGCATGCATGACTTTAATCTTATTAGCATAATGTCAATAGA
 TAAAGCTGTTACCAAGCTCCGAGAAATGCAGCAAAAACAGAAAAGGAGAACTCTGCGACCCCTTCAAAT
 GAAGAAATAGCTGAGGAACAAAATGGAACAGCAAAATGGATTCAAGTGAACCTAACTCAAAGAGAAAGCTT
 TGGAACTGACGGTGTCTCAGGGTTCCAAAACAGAGCAAGAAAACAAAACCTGTA

ACGCGTACGCGCGCCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_199196

Insert Size: 2226 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_199196.2 , NP_954666.1
RefSeq Size:	4449 bp
RefSeq ORF:	2226 bp
Locus ID:	52615
UniProt ID:	Q80U70
Cytogenetics:	11 47.36 cM
Gene Summary:	<p>This gene encodes a core component of the polycomb repressive complex 2 (PRC2) that also includes, at least, embryonic ectoderm development protein (EED) and enhancer of zeste homolog 1 or 2 (EZH1 or EZH2). Through the methyltransferase activity of EZH1 or EZH2, the PRC2 complex methylates Lys9 and Lys27 of histone 3 and Lys26 of histone 1, leading to recruitment of the PRC1 complex, histone 2A ubiquitylation and transcriptional repression of the target genes. This gene product is essential for the activity and integrity of the PRC2 complex, and is required for X chromosome inactivation, stem cell maintenance and differentiation. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2009]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>