

Product datasheet for **MC204599**

Syvn1 (NM_028769) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syvn1 (NM_028769) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Syvn1
Synonyms:	1200010C09Rik; AW211966; C85322; D530017H19Rik; Hrd1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

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>BC057917
GTCGTAGCTATCCCTGGAATGAGGCGCTTACACATTTTATTTCTTTCATGCCTGACATAAAGTCTGGCCC
TTGCTCGCTCCTGCCCCCGTCCAAATGGCTCGGCCCGCGGAACGCCCATCTTCCAGGCACATTGAGAG
CCGGAGTCTTGGAGGAGTTTAGGGTGGTATTCTACAACGGCGACTAGCAAGTGGCGGGCTTCAGCCCTT
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CAGAAGCGCAGGCGAGATCGGAGCGCGCAAGAGAAGTGGTACGGTCCACTCCGCCCGCCCCGCGCCG
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CGCACCGCAGTGATGAGCGGCCAGCCTGGCGCTAACCCGGGCGAGTGGTGGCTCATGCCTACTACCTCA
AACACCAGTTCTACCCACTGTAGTGTATTGACCAAGTCCAGCCCAGCATGGCAGTCTGTACATCCA
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CCGGCTTCCCTTCCCTCCTTGGATGGGTATGCCTCTGCCTCCACCTTTTGCCTTCCCCCAATGCC
TGTGCCCTGCGGGCTTTGCTGGCCTAACCCAGAGGAGCTGCGAGCACTAGAGGGCCATGAGCGGCAG
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AGAACCCCTTTGTGATGGTGGCTGTGCCCCCGAAGCCCTGTGGCATTTCATGTCTTACTGGCAACCAC
ACAACCTCAGGAAAGGAGTGCCTGGGGTGGGGCACAGGCGGGCAGCACTGAGGGACCCTGCCCTGCCCC
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TTTCAGATGATTATTTAATTTGTAATATTGTATAAATTTAATAGCTTAAATTGTATATACAGTCAAT
AAAACTGCATTAATAAAAAAAAAAAAAA
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Restriction Sites:

RsrII-NotI

ACCN:	NM_028769
Insert Size:	1839 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:	BC057917 , AAH57917
RefSeq Size:	3388 bp
RefSeq ORF:	1839 bp
Locus ID:	74126
UniProt ID:	Q9DBY1
Cytogenetics:	19 A
Gene Summary:	<p>Acts as an E3 ubiquitin-protein ligase which accepts ubiquitin specifically from endoplasmic reticulum-associated UBC7 E2 ligase and transfers it to substrates, promoting their degradation (PubMed:12975321, PubMed:15611074). Component of the endoplasmic reticulum quality control (ERQC) system also called ER-associated degradation (ERAD) involved in ubiquitin-dependent degradation of misfolded endoplasmic reticulum proteins (PubMed:12975321, PubMed:15611074). Also promotes the degradation of normal but naturally short-lived proteins such as SGK. Protects cells from ER stress-induced apoptosis. Sequesters p53/TP53 in the cytoplasm and promotes its degradation, thereby negatively regulating its biological function in transcription, cell cycle regulation and apoptosis (PubMed:17170702). Required for embryogenesis (PubMed:15611074). Mediates the ubiquitination and subsequent degradation of cytoplasmic NFE2L1 (PubMed:21911472). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.</p>