

Product datasheet for **MC225221**

Sdk1 (NM_177879) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sdk1 (NM_177879) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sdk1
Synonyms:	5330440E10; 6720466O15Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC225221 representing NM_177879 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCCCCGCGCCCGGCCCTCGGTGGCGGGCGCGGAGTCGCGGCCCCCTGAGCGAGCGGGGCCCGGGC
GGCCGCGGAGGAGCCGGACCGGTCACTGCGACCCGAGTGCCAGGGCTGCGCGCAGCGCCAGGAC
CCCCGGGCGGGCGGGCGGGCGGCAAGTTGAGGCCGGCGCGGTGGTGGCGCTGCTGTTG
CTCCAGCTGCACTTGTGCGGGCGCTGGCGCAAGATGACGTTGCACCGTATTTCAAACGGAGCCGGGCC
TGCCACAGATCCACCTGGAAGGGAACCGCTGGTGTCTACCTGCCTGGCTGAAGGAGCTGCGCTCTGGA
ATTCAAGTGGATACGGAACGACAGTGAGCTTACCACCTACAGCAGCGAATATAAGTATATCATCCCTCT
TTGCAGAAGCTGGACGCCGGGTTTTACCGCTGCGTGGTGCGAACAGGATGGGAGCTCTCTTGACAGAA
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GGACACAAGATTATCCAGCAGCAGAAAGCCATCACATTGGAGAATCAGCTGGTGATCCTTGCTACAA
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GTTTCATCCACCTGAGCGTAGCAGGAGATACTGGTACCCAGAGGCCATGGCCCCAATCATCGTGGTTGCC
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AGCACATTTGAGCCAGCCAGGGCCAGAGCCTTCTTTCCATCATAGAGCCACCATATTTCACTGCTGAGC
CAGAGAGTCGGATTTTAGGGGAAGTGAAGAACTATGGACATCCCATGTGCGAGCCATGGGGTTCTCT
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CCCAGCGAGGCCTCCACATTAGAAGTTGAGTCCAGAAGACTCTGGAATCTTCCAGTGCTTTGCCAGTA
ACGAAGGAGGAGAGGTCCAGACTCACACCTACCTGGATGTGACCAATATTGCTCTGCTTACCCAGCG
TCCAGTGACACCACGGTACTGACGGGATGACGGCTGTCTGAGGTGTGAGGTGTCGGAGCTCCCAA



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CCCGCCATCACATGGAAGAGAGGGAACACATTCTGGCCAGTGGCTCTGTCCGGATTCTAGGTTTCATGC
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 AGCCAACACGGAGGCTTCTGTGAACGCCTCCGCCATGCTACCGTGTGGAATCGAACGTCCATCGTTAC
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TACCACACTCAACGTATCCTGGGAGAGCCATCAGCTGCCAACGGCATCTACAGGGCTATCGAGTGGTG
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TCGTCAACCACTACATGAGCGACCCACCTACTACAACCTTGAAGCGGCGTCCCCCTGCCGACAGCACC
ACATAGGTACGAGGCGGTGGCAGGGGCAGAAGCCGGGCCACACCTGCACACGGTCATCACCACACAGAGC
GCGGGCGGAGTCTACACACCAGCTGGCCCCGAGCCGGGCCCCCTCACCAGCTTCTCTCTTCGTGT
GA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_177879

Insert Size: 6582 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_177879.5](#), [NP_808547.3](#)

RefSeq Size: 8513 bp

RefSeq ORF: 6582 bp

Locus ID: 330222

UniProt ID: [Q3UH53](#)

Cytogenetics: 5 G2

Gene Summary: Adhesion molecule that promotes lamina-specific synaptic connections in the retina. Expressed in specific subsets of interneurons and retinal ganglion cells (RGCs) and promotes synaptic connectivity via homophilic interactions.[UniProtKB/Swiss-Prot Function]