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# Product datasheet for SC326437

## SDK2 (NM_001144952) Human Untagged Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | SDK2 (NM_001144952) Human Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | SDK2 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |

**Fully Sequenced ORF:**

>SC326437 representing NM_001144952.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGGGGGCTTTTGATCTGGACACTGCTAGCTCTGCATCAGATCCGCGCGGCCAGAGCCCAAGATGAT
GTGTCCCCGTATTTCAAGACAGAGCCTGTGCGGACACAGGTGCACTTGGAAGGAAACCGCCTGGTGCTT
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AGCTTCCCCCAGCCACAGGTGACCTGGTTCCGGGACGGCCGCAAGATCCCGCCCAGCAGCCGCATAGCC
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GCTGTTAACGACAAAAACGGGGATAACAAGACCAGCCAGCCCATCACGCTCACCGTGGAGAATGTAGGG
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TCCCTGCACATCTCACAGACGTGGTCGGGAGACATCGGCACGTACACCTGCCGGGTGATCTCAGCAGGA
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AACAGCACCAGCACCCAGCAGGGCAGCCTCTTTCGGCCCAAGGCCAGTCGGACTCCAACGCCCCAGAAC
CCCCCTAACCCCCCAAGTCAGCAGAGCACCCTCTACCGTCCCCCCAGCAGCCTGGCCCCAGGCTCCCGG
GCTCCCATAGCAGGATTTTCATCATTTGTTTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

**Restriction Sites:** SgfI-MluI

**ACCN:** NM_001144952

**Insert Size:** 6519 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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_001144952.1

**RefSeq Size:** 10796 bp

**RefSeq ORF:** 6519 bp

| | |
|---|---|
| **Locus ID:** | 54549 |
| **UniProt ID:** | Q58EX2 |
| **Cytogenetics:** | 17q25.1 |
| **MW:** | 239.4 kDa |
| **Gene Summary:** | The protein encoded by this gene is a member of the immunoglobulin superfamily. The protein contains two immunoglobulin domains and thirteen fibronectin type III domains. Fibronectin type III domains are present in both extracellular and intracellular proteins and tandem repeats are known to contain binding sites for DNA, heparin and the cell surface. This protein, and a homologous mouse sequence, are very similar to the Drosophila sidekick gene product but the specific function of this superfamily member is not yet known. Evidence for alternative splicing at this gene locus has been observed but the full-length nature of additional variants has not yet been determined. [provided by RefSeq, Jul 2008] |