

Product datasheet for **SC304098**

DKK4 (NM_014420) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | DKK4 (NM_014420) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | DKK4 |
| Synonyms: | DKK-4 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >OriGene sequence for NM_014420 edited CTGCCAGCTTAGTGAAGCTCTGCTCTGGGTGGAGAGCAGCCTCGCTTTGGTGACGCACA GTGCTGGGACCTCCAGGAGCCCCGGGATTGAAGGATGGTGGCGCCGCTCCTGCTGGGGC TGAGCTGGCTCTGCTCTCCCTGGGAGCTCTGGTCTGGACTTCAACAACATCAGGAGCT CTGCTGACCTGCATGGGGCCCGAAGGGCTCACAGTGCCTGTCTGACACGACTGCAATA CCAGAAAGTTCTGCCTCCAGCCCCGCGATGAGAAGCCGTTCTGTGCTACATGTCGTGGGT TGCGGAGGAGGTGCCAGCGAGATGCCATGTGCTGCCCTGGGACACTCTGTGTGAACGATG TTTGTACTACGATGGAAGATGCAACCCCAATATTAGAAAGGCAGCTTGATGAGCAAGATG GCACACATGCAGAAGGAACAACCTGGGCACCCAGTCCAGGAAAACCAACCCAAAAGGAAGC CAAGTATTAAGAAATCACAAGGCAGGAAGGGACAAGAGGGAGAAAGTTGTCTGAGAACTT TTGACTGTGGCCCTGGACTTTGCTGTGCTCGTCATTTTTGGACGAAAATTTGTAAGCCAG TCCTTTTGGAGGGACAGTCTGCTCCAGAAGAGGGCATAAAGACACTGCTCAAGCTCCAG AAATCTTCCAGCGTTGCGACTGTGGCCCTGGACTACTGTGTCGAAGCCAATTGACCAGCA ATCGGCAGCATGCTCGATTAAGAGTATGCCAAAAAATAGAAAAGCTATAAATATTTCAA ATAAAGAAGAATCCACATTGCAA |



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| 5' Read Nucleotide Sequence: | <p>>OriGene 5' read for NM_014420 unedited</p> <pre>GGTCAGTTAAATTTGTATACGACTCATATAGGCGGCCGCGNATTCGCCTTCTGCCAGCT TAGTGGAAGCTCTGCTCTGGGTGGAGAGCAGCCTCGCTTTGGTGACGCACAGTGTGGGA CCCTCCAGGAGCCCCGGGATTGAAGGATGGTGGCGGCCGCTCTGCTGGGGCTGAGCTGGC TCTGCTCTCCCTGGGAGCTCTGGTCTGGACTCAACAACATCAGGAGCTCTGTGACC TGCATGGGGCCCCGAAGGGCTCACAGTGCCTGTCTGACACGGACTGCAATACCAGAAAGT TCTGCCTCCAGCCCCGCGATGAGAAGCCGTTCTGTGCTACATGTGCTGGGTTGCGGAGGA GGTGCCAGCGAGATGCCATGTGCTGCCCTGGGACACTCTGTGTGAACGATGTTTGTACTA CGATGGAAGATGCAACCCCAATATTAGAAAGGCAGCTTGATGAGCAAGATGGCACACATG CAGAAGGAACAACCTGGGCACCCAGTCCAGGAAAACCAACCCAAAAGGAAGCCAAGTATTA AGAAATCACAAAGCAGGAAGGGACAAGAGGGAGAAAGTTGTCTGAGAAGCTTTTACTGTG GCCCTGGACTTTGCTGTGCTCGTCATTTTTGGACGAAAATTTGTAAGCCAGTCTTTTGG AGGGACAGGTCTGCTCCAGAAGAGGGCATAAAGACACTGCTCAAGCTCCAGAAATCTTCC AGCGTTGCGACTGTGGCCCTGGACTACTGTGTCGAAGCCAATTGACCAGCAATCGGCAGC ATGCTCGATTAAGAAGTATGCCAAAAATAGAAAAGCCTATAATATTTTCANAATANAGAA GAATCCACATTGCANAGGGCGAATTCAGATCTGGTACC</pre> |
| 3' Read Nucleotide Sequence: | <p>>OriGene 3' read for NM_014420 unedited</p> <pre>CATTGGNATGGCACTTCCAGNCCAGNAAAGCACTGGGGCAGGGTACAGGGATGCCACC CGGGATCTGTTCCAGGAAACAGCTATGACCGCGGCCGCAATCTAGAGTCGACAAGCTTGAT ATCGGTACCAGATCTGAATTCGCCCTTTGCAATGTGGATTCTTCTTTATTTTGAATATT TATAGCTTTTCTATTTTTTGGCATACTCTTAATCGAGCATGCTGCCGATTGCTGGTCAAT TGGCTTCGACACAGTAGTCCAGGGCCACAGTCGCAACGCTGGAAGATTTCTGGAGCTTGA GCAGTGTCTTTATGCCCTTCTGGAGCAGACCTGTCCCTCCAAAAGACTGGCTTACAA ATTTTCGTCAAAAATGACGAGCACAGCAAAGTCCAGGGCCACAGTCAAAAGTTCTCAGA CACTTTCTCCCTCTTGTCCCTTCTGCCTTGTGATTTCTTAATACTTGGCTTCTTTTG GGTTGGTTTTCTGGACTGGGTGCCAGTTGTTCTTCTGCATGTGTGCCATCTTGCTCA TCAAGTGCCTTTCTAATATTGGGGTTCATCTCCATCGTAGTACANACATCGTTCACA CAGAGTGTCCAGGGCAGCACATGGCATCTCGCTGGCACCTCCTCCGCAACCCACGACAT GTAGCACAGAACGGCTTCTCATCGCGNGCTGGAGGCAGAAGTTCTGGGTATGCAGTCC GTGTCAGACAGGCACTGTGAGCCCTTTCGGGCCCNATGCAGTCAGCAGAAGCTCTGATG TTGNTGAAAGTCAGGACCAGAGCTCCAGGGGAGAGCAGAGCCAGCTCAGCCCCAGCAGG ACGGCCGCCACATCCTTCA</pre> |
| Restriction Sites: | Please inquire |
| ACCN: | NM_014420 |
| Insert Size: | 800 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: | The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference. |
| 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). |

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| 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: | <u>NM_014420.2, NP_055235.1</u> |
| RefSeq Size: | 835 bp |
| RefSeq ORF: | 675 bp |
| Locus ID: | 27121 |
| UniProt ID: | <u>Q9UBT3</u> |
| Cytogenetics: | 8p11.21 |
| Protein Families: | Adult stem cells, Cancer stem cells, Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein, Stem cell relevant signaling - Wnt Signaling pathway |
| Protein Pathways: | Wnt signaling pathway |
| Gene Summary: | This gene encodes a protein that is a member of the dickkopf family. The secreted protein contains two cysteine rich regions and is involved in embryonic development through its interactions with the Wnt signaling pathway. Activity of this protein is modulated by binding to the Wnt co-receptor and the co-factor kremen 2. [provided by RefSeq, Jul 2008] |