

## Product datasheet for **SC103987**

### **ZNF260 (AK092379) Human Untagged Clone**

#### **Product data:**

|                           |                                        |
|---------------------------|----------------------------------------|
| Product Type:             | Expression Plasmids                    |
| Product Name:             | ZNF260 (AK092379) Human Untagged Clone |
| Tag:                      | Tag Free                               |
| Symbol:                   | ZNF260                                 |
| Mammalian Cell Selection: | None                                   |
| Vector:                   | <u>pCMV6-XL4</u>                       |
| E. coli Selection:        | Ampicillin (100 ug/mL)                 |



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**Fully Sequenced ORF:** >NCBI ORF sequence for AK092379, the custom clone sequence may differ by one or more nucleotides

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TTTTGTACAAATGGGATCTCACTATGTTGCCTATGCTGGTCTTGAACACCTAGGCCCAACGATCCTCCAG
CCTCGCCTTCTAAAGTGTGGGATTCCAAGAGTGAGCCATGGTGTCTGGCCTCAAAGATCTTTAATACCT
TTATAGAGTTGTGCAATCATCACCACAATCCAGTTTTGAGACATTTCCATTACTCCAAAAAGATCATTCA
TGCCATTTGCAGTTAACCACCACCTCCCATCTCCAACCTCAGCTACTGTTGATCTTGTCTGTTGCACAGAT
TTGCCTTTATGGGAAGTTTCATATAAAAAAGAATCAAACAATATGTGGCCTTTTGCATCTGGCTTCTTTCA
CTTAATGCTTTTGTAGGTGTATGCATGTTGTAGTGAGTATCAGGTGTACGTATGTATACGCAGGAATATC
TGTCCCTTTGCTGTGGGGAGGACGCCATCGCATGGAGGTCTGCATTTTGTCTTCTGTTTCTCAGTTG
ACGGTCATGTGGATTGTTACAGGTCTGGGCTATTATGAATAATGCCACTATGAACATCTGTGTCCAGGT
TTCTGAGTGGACACACAGGCTAATTTTATAATAAAAAAACAACCAAGGACCAAAATGAATCTGG
AACTGTTTCTGGAATACGTTTCTTTTACCAAAATGGGAATTCTAATAGCAGGGCAGGAAATGTAAAGTA
GGAGAGAAAGAAGTGGGCTCACAGCAGCCTTTCCCTCCTCGGATTTGGGAACAAAGAGGCAGGATTGTC
CCACTCTAGAAGTGGCTCATATTCGCACAGTTCATCCAAAGCTACAGAACACGCTCAACATCCCCTCTGC
CCCGCGGCACCTCTGATATCGATCTCAATCCAAACACCCACCCCTCTCTTGAGTCTCTTAGTTCAAGGAC
AGCAAAATTCAGGACATCGCACTTCCCTGCCCTGATGCATTTAGTGAGAGCGGGGTTTGTAGTTGGATG
ACTGTGGAGAAAAGCCCCAAGCACCAGTGTCAATTCCTGGGCTGAGACTTTAAGGTTTAGCAATTCAGT
GTTTCAGCTAGGTCCCTTCCAGTGTACAAAGGTCAAAGTTTGTAGTTATGGAAGAAAAGGATCAGAAA
AAACCATGGAAAATAGGATCTGGTCTATAAGCAGGAAAGAGATGCAGGAAACAATTTAGAGGAAAAGAG
GCAAAAAGTATACTGGCTCTCAAGCTGGGGTGTCTTATTCACCAAGAAGTGGCGAGAAGCAGACAGACA
GCACGTTTTGTGGGGGACAGTGGTTTTGTTTTTTTTTTTTTTTGTAGACAGAGTCTCACTGTATTGC
CCAGGCTGGAGTGTAGTGGTGCAATCTCGGCTCCAGGCTCAAGCGATTCTCATGCCTCTTCTGACCCCT
CAGGTTGCCCTAGTGACTCTAGGAACCTTTCTCCATACCTCTTGCGTGTTATCTATGGAACATGGACTTT
GAACCTCTCTTCTTTTTCGTCTCCTTGCTTTGATTTAATCCATCATTTCTAGGTGCATGACAACACTCCC
TAACCTAACCCCTGCTTTCCATTTTAACTACCATCACAATAATCTTAATACTGGCAGGTATCTAGCG
CTTGCGGATTTTCAAAGAGCTTCCACTAGTTCTTGCTCGGAATCTTGATGCAGGCAGGATAGCTAGG
AGTGTCTCCTTTTAAAGGAAATCAAGGTAGAAAAGTTCAGTGATGACCAATATCATAAAATCATAAAA
TGGTGAGACCAGGAGCAGGTTATAGGTTTCTACCCTGGTGGGTCAGGATGGGGCCTGTAAGTCTGA
AGTTTCAGGCAAATGTGCTGTGACTGGATGTGTTAAATTAGACTAACAGGGAGTGGGGAAGGGCTATGAC
AATTCAGAGTAGGTCTGTAGAATATGTTCAAAAACCATGGATTTAAGAACATGGGAGCTTGTGAGGAGT
TTTCTAACTCATTTTTTAAAGTTTCTAGATGTCTTATCCATACAATTTTTTTTTTTTTTGAATGGAGTCC
CACTCTTGTCACCCAGGCTGTAGTGCAATGGCGGATCTTGGCTCACTGCAACCTCCGCCTCCAGTTTC
AAATGATTCTCCTTCTCAGCCTCTTGAGTAGCTGGGATTACAGGCATGTGCCACCATGCCTAATTTTTG
TATTTTGTAGTAGACTGGGTTTCAACATGTGGCCAGGCTGCTGTTGAACCTCCTGGTCTCAGGTGATCC
GCCTGCCTCAGCTCCAGAGTGCCGGGATTACAGGTGTGGGCCACCTCGCCTGGCCATACAATTTTTT
AAAGGGCATTGAGATCCTAAAATTGAAATTGTAGATAGATATAGCTGTGGGATAAAGAACTTCTGCTGAA
TGATGATTTGCAAAAGTATGTCTTCAGTATAGTACTGAGTACTAATTTTATGGGGCAAAATACTCTGTAT
TTAATCTTATGACCTTGTATAAAATCTTGCCCTAACTAAATTCAAATGTATAGTCATTTATACTTAATT
ACAAAATTTGGTGCTATGTTAATATTACC

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| <b>5' Read Nucleotide Sequence:</b> | <p>&gt;OriGene 5' read for AK092379 unedited</p> <pre> GGGGTACAGATTGTATACGACTCACTATAGGCGGCCGCGATTCCGGCACGAGGCAAGAGT GAGCCATGGTGTCTGGCCTCAAAAATCTTAATACCTTTATAGAGTTGTGCAATCATCAC CACAATCCAGTTTTGAGACATTTCCATTACTCCAAAAAGATCATTATGCCATTTGCAGT TAACCACCACTCCCATCTCCAACCTCAGCTACTGTTGATCTTGCTGTTTGCACAGATTTG CCTTTATGGGAAGTTTCATATAAAAAGAATCAAACAATATGTGGCCTTTTGCATCTGGCT TCTTTCACTTAATGCTTTTGAGGTGTATGCATGTTGTAGTGAGTATCAGGTGTACGTCAT GTATACGCAGGAATATCTGTCCCTTTGCTGTGCGGGAGGACGCCATCGCATGGAGGTCCT GCATTTTGTCTTTCTGTTTCTCAGTTGACGGTCATGTGGATTGTTTACAGGTCTGGGCTA TTATGAATAATGCCACTATGAACATCTGTGTCCAGTTTCTGAGTGGACACACACGGCTA ATTTTATAATAAAAAAACAACCAAGGACCAAAATGAATTCTGGAAGTCTTCTGGA ATACGTTTCTTTTACCAAAATGGGAATTCTAATAGCAGGGCAGGAAATGTAAAGTAGGA GAGAAAGAAGTGGGCTCAGCAGCCTTTCCCTCCTCGGATTTGGGAACAAAGAGGCAG GATTGTCCCACTCTAGAAGTGGCTCATATTCGCACAGTTCATCCAAGCTACAGAACACG CTCAACATCCCCTCTGCCCCGCGGCACCTCTGATATCGATCTCAATCCAACACCCACCCC TCTCTTGAGTCTCTTAGNTCAGGGACAGCAATTAGGACATCGCACTTTCCCTGCCCTGA TGCATTTANTGAGAGCGGGGTTTGAGTTGGNAT </pre> |
| <b>Restriction Sites:</b>           | NotI-NotI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ACCN:</b>                        | AK092379                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Insert Size:</b>                 | 4700 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>OTI Disclaimer:</b>              | 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).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Components:</b>                  | 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).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Reconstitution Method:</b>       | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>RefSeq:</b>                      | <a href="#">AK092379.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>RefSeq Size:</b>                 | 2550 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>RefSeq ORF:</b>                  | 2550 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Locus ID:</b>                    | 339324                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Cytogenetics:</b>                | 19q13.12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Gene Summary:</b>                | Transcription factor that acts as a cardiac regulator and an effector of alpha1-adrenergic signaling. Binds to PE response elements (PERE) present in the promoter of genes such as ANF/NPPA and acts as a direct transcriptional activator of NPPA. Also acts as a cofactor with GATA4, a key cardiac regulator (By similarity).[UniProtKB/Swiss-Prot Function]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |