

## Product datasheet for **SC318213**

### ZNF778 (NM\_182531) Human Untagged Clone

#### Product data:

|               |                                         |
|---------------|-----------------------------------------|
| Product Type: | Expression Plasmids                     |
| Product Name: | ZNF778 (NM_182531) Human Untagged Clone |
| Tag:          | Tag Free                                |
| Symbol:       | ZNF778                                  |
| Vector:       | <u>pCMV6 series</u>                     |



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| <b>Fully Sequenced ORF:</b> | <p>&gt;NCBI ORF sequence for NM_182531, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGGCAGCCCCTGACCTGGCCCACGGAGGTCATGTTTCTAGGGACTCAGTCTGCCTTCAT GAAGAACAGACACAGGCAGCAGGGATGGTGGCTGGCTGGCTGATAAATTGTTACCAGGAC GCGGTGACCTTTGACGACGTGGCTGTGGACTTCACCCAGGAGGAATGGACTTTACTGGAC CCATCTCAGAGAGACCTCTACAGAGATGTGATGCTGAAAACTACGAGAACCTGGCCTCA GTAGAATGGCGACTTAAACCAAAGGCCAGCACTTCGGCAGGATAGATCTTGGTTCAGA GCATCAAATGAGACACAGACGGCAAGAAGCCACAATGGAGGGCAGCTCTGTGACCGCACG CAGTGTGGAGAAGCTTTCACTGAACACTCAGGCCTCAGCACACACGTGAGAACTCAAAAT ACAGGAGACAGTTGTGTGTCTAATCATTATGAAAGGGACTTTTTTATTCCATGCCAGAAA ACCTTGTTCAAAATTGGAGAGCAGTTTTCCGTGTTGGGTCACTGTGAAAAGCCTTCAGC TCTACTCCAAATGTTGTTTCCAGCAAGCATGCACTCGGGACAGATCTCTTGACTACAGC AGCTGTGGGAAGTGTCTTAATCAGTCATACCTTCAGGCACGTGCGGGAAGTCACAAC GGAGAAGAAACATGAAATGGAAGCCGTGTGGAAAGCTCTAACTCACTCCATGGGCTGC GCCACACCTGTTGAAATGCATGCCGTGAGGAATCCCCACGTATGTAGGAATGTGGGAAG GCCTTTAGGTACACTGCCTACCTTACTGTCGCTGCAAGTCCACCCTGGGGAAAAGCCC TGTGAATTGGAAGATGTGGAAAAGCCTCCCCTGTTTCTTCCAGCCTAACTCAACATGTA AGAATTGCTGCTGAGAGAAAACCTGTGAATGTAAGAATGCGGAAAAGCCTTCACTGGA CTCTCAGGTCTTTCTAAACACGTCCAAACAGACCCTGGACAGAAGCCCTATGAATGTAAG GACTGTGGGAAAGCCTGCGGTGGGTTTTATCTACTGAATGAGCATGGAAGAACTCACACG AGGGAGAAGCCCTTTCATGTGTGGTTTGCGGAAAATATTTAGAAATTCCTCATGCCTT AATAATCATGTTTCAATTCACACTGGAATAAAACCTATACATGCAGTACTGTGGGAAG GCCTTCAGTGTGCGCTGTGGCCTTACTAGACACGTACGAACACACACGGGCGAGAAGCCA TACACGTGTAAGGACTGCGGGAAGCCTTCTGTACATCCTCGGGCCTTACTGAGCATGTA AGGACTCACACTGGAGAGAAACCATATGAATGTAAGATTGTGGGAAATCCTTCACTGTT TCTTCAAGCCTGACTGAGCACGCGAGAATCCATACCGGAGAGAAAACCTACGAATGTAAG CAGTGTGGCAAAGCCTTACAGGGCGCTCAGGCCTCACTAAACACATGCGGACACACACC GGGGAGAAGCCCTATGAATGTAAGGACTGTGGGAAAGCCTACAATAGGGTTTATCTACTG AATGAGCATGTGAAAACCTCACACAGAGGAGAAGCCCTTTATATGTACGGTATGCAGGAAA TCCTTCAGAAATTCCTCGTGCCTGAATAAGCACATTACAGATTCACACTGGAATAAAACCT TATGAATGTAAGGACTGTGGGAAACATTCAGTGTTCCTCGAGCCTAACCGAGCACATA CGAACTCACACTGGAGAGAAACCTTATGAATGTAAGTATGCGGAAAGGCCTTACCACA TCCTCACACCTTATCGTGCACATAAGAACCCACACCGGTGAGAAAACCTACATATGTAAG GAGTGTGGGAAAGCCTTTGCTTCTCTCACACCTTATCGAACACAGAAGGACTCACACA GGAGAGAAACCTTACATATGTAACGAGTGTGGGAAAGCCTTCCGTGCCTCCTCACCTG CATAAACATGGAAGAATTCACACTGGGCAGAAACCTATAAATGTAAGGAATGTGGGAAA GCATACAATAGGTTTTATCTACTAAAAGAACATTTAAAACTTCACTGAAGAGCAGGTT TTTGTATGTAAGGACTGTGGAAAATCTTTAAGAATTCCTCATGCCTTAACCATCACACT CAAATTCACACTGATGAGAAACCTTTC </pre> |
| <b>Restriction Sites:</b>   | Please inquire                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ACCN:</b>                | NM_182531                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <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>OTI Annotation:</b>      | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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| <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>                | <u>NM_182531.2, NP_872337.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>RefSeq Size:</b>           | 2922 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>RefSeq ORF:</b>            | 2190 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Locus ID:</b>              | 197320                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>UniProt ID:</b>            | <u>Q96MU6</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Cytogenetics:</b>          | 16q24.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Protein Families:</b>      | Transcription Factors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Gene Summary:</b>          | <p>The protein encoded by this gene is a member of the krueppel C2H2-type zinc-finger protein family, and it contains one KRAB domain and eighteen C2H2-type zinc fingers. This gene is a candidate gene for autism and variable cognitive impairment in the 16q24.3 microdeletion syndrome. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jan 2011]</p> <p>Transcript Variant: This variant (2) lacks an in-frame coding exon, as compared to variant 1. The resulting isoform (2) lacks an internal segment, as compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p> |