

Product datasheet for **SC318101**

ZNF568 (NM_198539) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF568 (NM_198539) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF568
Synonyms:	ZFP568
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF:	<p>>NCBI ORF sequence for NM_198539, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGACATCTCAATCTTCAGTGATCAGCAATAGCTGTGTGACAATGGAGCGTTTGAGCCAC ATGATGGAAAGGAAAGCTTGGTGTCTCAAGAGTCTGCCCTTCCGAGGAAGAAGAGGAT ACAACCAGGCCTCTTGAAACAGTGACATTTAAGGATGTGGCTGTTGACCTTACCCAGGAG GAGTGGGAGCAAATGAAACCTGCTCAAAGAAACTTGTATCGAGATGTGATGCTGGAGAAC TACAGCAACCTAGTCACAGTGGGCTGTCAAGTCACCAAACCGGATGTGATTTCAAGTTG GAGCAAGAAGAGGAGCCCTGGGTGATGGAGGAAGAAATGTTGGGAGGCACTGTCCAGAA GTTTGGGAAGTTGATGAACAGATCAAGAAGCAACAGGAAACACTTGTGAGGAAAGTCACA TCCATCTCCAAGAAAATTCTGATAAAGGAAAAAGTCATTGAATGTAAAAAGTTGCGAAA ATATTTCTCTGAGTTCAGACATTGTTACTTCAAGACAAAGCTTCTATGACTGTGACTCA CTTGATAAGGGTTTGGAACATAATTTAGACTTACTTAGATATGAGAAAGGCTGTGAAGA GAGAAACAGAGTAATGAGTTTGGGAAACCATTTTACCATTGTGCATCCTATGTTGAACC CCCTTTAAGTGAATCAGTGTGGACAAGACTTCAGTCATAAATTTGACCTCATTAGACAT GAGCGAATTCATGCTGGAGAGAAACCTTACGAATGTAAAGAATGTGAAAAGCCTTCAGT AGGAAGGAAAATCTTATTACACATCAGAAAATTCATACTGGGAAAAACCGTATAAAGTGT AATGAATGTGGAAAAGCTTTCATTGAGATGTCAAACCTTATTAGACACCAGAAATTCAT ACTGGGGAGAAACCTTATGCATGTAAGGATTGTTGGAAAGCCTTCAGTCAGAAATCAAAT CTCATTGAAATGAGCGAATTCACACTGGAGAGAAACCTATGAATGTAAGGAATGTGGG AAATCCTTCAGCCAGAAGCAAAATCTTATTGAGCACGAGAAAATTCATACTGGGGAGAAA CCTTATGCATGTAATGAATGTGGTAGAGCTTTTCTCGAATGTCATCTGTTACGCTACAT ATGAGAAGTCACACAGGGGAGAAACCTATAAATGTAATAAATGTGAAAAGCTTTCTCT CAATGCTCAGTATTTATTATACATATGAGAAGTCACACTGGTGGAGAAACCTATGTATGT AGTGAATGTGGGAAAGCCTTCTCTCAGAGTTCATCCCTAACCGTACATATGCGAAATCAT ACAGCTGAGAAACCTATGAATGTAAGGAATGTGAAAAGCCTTCAGCAGGAAAGAAAAT CTCATTACACATCAGAAAATTCACACTGGAGAGAAACCTATGAATGCAGTGAATGTGGG AAAGCTTTTATTAGATGTCAAACCTCATTGACACCAGAGAATTCATACGGGTGAGAAA CCCTATGCATGTACAGTATGTGAAAAGCCTTATGTCAGAAAATCAAACCTCACTGAACAT GAGAAAATTCATACTGGAGAGAAACCTTATCATTGTAATCAATGTGGGAAAGCTTTCAGT CAGAGACAAAATCTTCTGAGCATGAAAAAATTCATACTGGAGAGAAACCTTCAATGT AATGAATGTGGTAAAGCCTTCTCTCGAATCTCATCCCTACTCTTCATGTGAGAAGTCAC ACAGGGGAGAAACCTATGAATGTAATAAATGTGGGAAAGCCTTTTCTCAGTGCTCATT CTTATTATACATATGAGAAGTCATACTGGTGGAGAAACCTTTGAATGTAATGAATGTGGG AAAGCATTCTCTCAAAGAGCATCCCTTTCTATACATAAGAGAGGTCATACAGGTGAGAGA CACCAAGTATAT </pre>
Restriction Sites:	Please inquire
ACCN:	NM_198539
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:	<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_198539.2, NP_940941.2</u>
RefSeq Size:	2910 bp
RefSeq ORF:	1935 bp
Locus ID:	374900
UniProt ID:	<u>Q3ZCX4</u>
Cytogenetics:	19q13.12
Protein Families:	Transcription Factors
Gene Summary:	<p>Has transcriptional repression activity, partially through the recruitment of the corepressor TRIM28 but has also repression activity independently of this interaction. Essential during embryonic development, where it acts as direct repressor of a placental-specific transcript of IGF2 in early development and regulates convergent extension movements required for axis elongation and tissue morphogenesis in all germ layers. Also important for normal morphogenesis of extraembryonic tissues including the yolk sac, extraembryonic mesoderm and placenta. May enhance proliferation or maintenance of neural stem cells.</p> <p>[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>