

Product datasheet for **SC331617**

ZNF568 (NM_001204836) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF568 (NM_001204836) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF568
Synonyms:	ZFP568
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC331617 representing NM_001204836. Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGAAACCTGCTCAAAGAACTTGTATCGAGATGTGATGCTGGAGAACTACAGCAACCTAGTCACAGTG
GGCTGTCAAGTACCAAACCGGATGTGATATTCAAGTTGGAGCAAGAAGAGGAGCCCTGGGTGATGGAG
GAAGAAATGTTTGGGAGGCACTGTCCAGAAGTTTGGGAAGTTGATGAACAGATCAAGAAGCAACAGGAA
ACACTTGTGAGGAAAGTCACATCCATCTCCAAGAAAATTCTGATAAAGGAAAAAGTCATTGAATGTAAA
AAAGTTGCGAAAAATTTCTCTGAGTTCAGACATTGTTACTTCAAGACAAAGCTTCTATGACTGTGAC
TCACTTGATAAGGGTTTGGAAACATAATTTAGACTTACTTAGATATGAGAAAGGCTGTGTAAGAGAGAAA
CAGAGTAATGAGTTTGGGAAACCATTTTACCATTGTGCATCCTATGTTGTAACCCCTTTAAGTGTAAAT
CAGTGTGGACAAGACTTCAGTCATAAATTTGACCTCATTAGACATGAGCGAATTCATGCTGGAGAGAAA
CCTTACGAATGTAAGAAATGTGGAAAAGCCTTCAGTAGGAAGGAAAAATCTTATTACACATCAGAAAAAT
CATACTGGGAAAAACCGTATAAGTGAATGAATGTGGAAAAGCTTTCATTAGATGTCAAACCTTATT
AGACACCACAGAAATTCATACTGGGAGAAAACCTTATGCATGTAAGGATTGTTGGAAAGCCTTCAGTCAG
AAATCAAATCTCATTGAACATGAGCGAATTCACACTGGAGAGAAAACCTATGAATGTAAGGAATGTGGG
AAATCCTTCAGCCAGAAGCAAAATCTTATTGAGCAGGAGAAAATTCATACTGGGAGAAAACCTTATGCA
TGTAATGAATGTGGTAGAGCTTTTCTCGAATGTCATCTGTTACGCTACATATGAGAAGTCACACAGGG
GAGAAACCCTATAAATGTAATAAATGTGGAAAAGCTTTCTCAATGCTCAGTATTTATTATACATATG
AGAAGTCACACTGGTGAGAAAACCTATGTATGTAGTGAATGTGGGAAAAGCCTTCTCTCAGAGTTCATCC
CTAACCGTACATATGCGAAATCATAAGCTGAGAAAACCTATGAATGTAAGGAATGTGGAAAAGCCTTC
AGCAGGAAAGAAAATCTCATTACACATCAGAAAATTCACACTGGAGAGAAAACCTTATGAATGCAGTGAA
TGTGGGAAAGCTTTTATTAGATGTCAAACCTCATTGACACCAGAGAATTCATACGGGTGAGAAAACCC
TATGCATGTACAGTATGTGGAAAAGCCTTATGTCAGAAATCAAACCTCACTGAACATGAGAAAATTCAT
ACTGGAGAGAAAACCTTATCATTGAATCAATGTGGGAAAAGCTTTCAGTCAGAGACAAAATCTTCTTGAG
CATGAAAAAATTCATACTGGAGAGAAAACCTTCAAATGTAATGAATGTGGTAAAGCCTTCTCTCGAATC
TCATCCCTCACTTTCATGTGAGAAGTCACACAGGGGAGAAAACCTATGAATGTAATAAATGTGGGAAA
GCCTTTTCTCAGTGCTCATTACTTATTATACATATGAGAAGTCATACTGGTGAGAAAACCTTTGAATGT
AATGAATGTGGGAAAAGCATTCTCTCAAAGAGCATCCCTTTCTATACATAAGAGAGGTCATACAGGTGAG
AGACACCAAGTATATAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001204836
Insert Size:	1743 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).
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:	<u>NM_001204836.1</u>
RefSeq Size:	3864 bp
RefSeq ORF:	1743 bp
Locus ID:	374900
UniProt ID:	<u>Q3ZCX4</u>
Cytogenetics:	19q13.12
Protein Families:	Transcription Factors
MW:	67 kDa
Gene Summary:	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. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) lacks an alternate exon in the 5' coding region and uses a downstream start codon, compared to variant 1. Variants 3 and 4 encode the same isoform (3), which has a shorter N-terminus, compared to isoform 1.