

Product datasheet for **SC313815**

ZNF582 (NM_144690) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF582 (NM_144690) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF582
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC313815 representing NM_144690.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGTCCTTGGGTCAGAATTGTTCAGGGATGTGGCCATAGTCTTCTCCCAAGAAGATGGCAGTGGTTG
GCACCTGCTCAGAGGGATTTGTACAGAGACGTGATGTTGGAGACCTACAGCAACCTGGTCTCACTGGGT
CTTGCCGTTTCCAAACCTGATGTGATCTCCTTCTAGAGCAAGGCAAAGAGCCCTGGATGGTGGAGAGA
GTGGTGTCTGGAGCCTGTGTCCAGTATTGGAGTCCAGATATGATACCAAGGAATTTTCCAAAGCAG
CATGTTTATGAAGTGAATCACCCCAATGGGAGATAATGGAAAGCCTTACAAGTTATGGTCTTGAGTGT
TCAAGTTTCCAAGATGATTGGGAATGCAGAAACAGTTTGACAGACAACAGGGAAATCCAGACAGACAT
TTCCATCAGATGATCATCAGACATGAAGAAATGCCCACTTTTGACCAGCATGCATCCCTTACTTTTTAT
CAGAAAATTCATACTAGAGAAAAACCTTTGGGTATAATAAATGTAGAAAAGACTTCTGGCAAAGGAA
CTCCTTATTAATCATCAAGGAATTTATACTAATGAGAAACCTATAAATGTAAGGAATGTGGGAAGGCC
TTTAAATATGGCTCAGACTAATTCAACATGAGAATATTCATTCTGGTAAGAAACCATATGAATGTAAG
GAATGTGGAAAGGCCCTCAATTCTGGTTCAAATTTTATACAACATCAGAGAGTTCATACTGGTGAGAAA
CCGTATGAATGTAAGATTGTGAGAAGGCCCTTAGTCGAAGCTCAGAGTTGATTGAACATCAGCGAAT
CACACAGGCGAGAAACCCATCAGTGTAAAGAAATGTGGCAAGGCCCTTCAATCGGATCTCACATCTTAAA
GTACATTATAGAATTCATACTGGTGA AAAACCCATGCATGCAAGGAATGTGGGAAAACCTTTAGTCAT
CGTTCTCAGTTGATTCAACATCAGACTGTTTACTGTCAGGAAACTCTATGAATGTAAGGAATGTGGG
AAGGCTTTTAAATCAAGGCTCAACTCTTATACGACATCAGAGAATTCATACCGGTGAGAAACCCATGAG
TGCAAAGTATGTGGAAAGGCCCTTAGAGTGAGCTCACAACCAAGCAACATCAGAGAATTCACACTGGA
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AGAATTCATACAGGTGAAAAGCCATATGAATGTAAAGAAATGTGGGAAGGCCCTTTAGTCATTGCTCACA
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GTAGAAAAGCCTTCCATCAGCAGTTACCCCTTACTAATCATCAGAGAATTTATGTTGGCAAGCAACCAT
ATGAATGGAAGTAAATGGGAAAGCCATTAGCCTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_144690

Insert Size: 1554 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: 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:

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: [NM_144690.2](#)

RefSeq Size: 2928 bp

RefSeq ORF: 1554 bp

Locus ID: 147948

UniProt ID: [Q96NG8](#)

Cytogenetics: 19q13.43

Domains: KRAB, zf-C2H2

Protein Families: Transcription Factors

MW: 60.5 kDa

Gene Summary: The protein encoded by this gene is a zing finger protein and putative transcription factor that is highly methylated in cervical cancers. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2016]
Transcript Variant: This variant (2) uses an alternate splice junction in the 5' end compared to variant 1. The resulting isoform (2) is shorter at the N-terminus compared to isoform 1.