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Product datasheet for SC302307

ZNF197 (NM_001024855) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF197 (NM_001024855) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF197
Synonyms:	D3S1363E; P18; VHLaK; ZKSCAN9; ZNF20; ZNF166; ZSCAN41
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC302307 representing NM_001024855. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGACAAGAGAAAATGTAGCCCACAATGCTCTGAGACAAGAGGGCCTTGTGAAGGGGAAGGATGATACC TGGAAATGGGGAACCAGCTTCCAAGGAAGTAGCTCCTCTGTTTGGGAGACCTCCCACCTACACTTTAGA CAATTACGTTACCATGAGACATCTGGACCCCAGGAAGCCCTGAGCCGGCTCAGGGAACTCTGTCGCCGG TGGCTGAGACCAGAAGCACGCACCAAGGCACAGATCCTGGAGCTGCTGGTGCTGGAGCAGTTTCTGAGC ATCCTGCCTGGGGAGATTCGGACCTGGGTACAGCTCCATCACCCTGGAAGTGGCGAGGAGGCTGTGGCC CTGGTAGAGGAGCTGCAGAAAGACCTTGATGGACCAGCAATACAAGTTCCAGTCCTTGTCAAGGATCAG GACACTCTCCAGAAGGTGGTGAGTGCCCCAGGAACAACACTTCCTCCTGTACTTCCTGGCAGCCACATA GCAGCTGAAATTTGCCCGCATCCTCCTACTGACCTAGTGGCATTCAACCTCCAGGATCCTCAGCATGAT TCTCCTGCCCCTGAAGCTTCTGCCCTTTCCCAGGAAGAGAACCCAAGAAATCAATTAATGGCACTTATG CTCCTAACAGCCCAGCCCCAGGAGTTGGTGATGTTCGAGGAGGTGTCAGTATGCTTCACTTCAGAGGAA TGGGCATGTCTGGGCCCAATCCAGAGGGCCTTGTACTGGGATGTGATGCTGGAGAATTATGGAAATGTG ACCTCCCTAGGTTACAGGAAATACAGGAGGCAGAGGAACAAATAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI
ACCN:	NM_001024855
Insert Size:	804 bp

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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_001024855.2
RefSeq Size:	2969 bp
RefSeq ORF:	804 bp
Locus ID:	10168
UniProt ID:	O14709
Cytogenetics:	3p21.31
Protein Families:	Druggable Genome, Transcription Factors
MW:	30.2 kDa
Gene Summary:	This gene product belongs to the zinc finger protein superfamily, members of which are regulatory proteins characterized by nucleic acid-binding zinc finger domains. The encoded protein contains 20 tandemly arrayed C2H2-type zinc fingers, a Kruppel-associated box (KRAB) domain, and a SCAN box. This transcript turns over rapidly and contains 3' UTR AUUUA motifs, which are often a hallmark of rapid turnover. It is overexpressed in some thyroid papillary carcinomas. This gene is located in a cluster of zinc finger genes at 3p21. Naturally-occurring readthrough transcription is observed between this gene and the upstream zinc finger protein 660 gene and is represented by GeneID:110354863. [provided by RefSeq, May 2017] Transcript Variant: Variants 2 and 4 encode the same isoform (2).