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Product datasheet for SC328526

ZNF177 (ZNF559-ZNF177) (NM_001172650) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF177 (ZNF559-ZNF177) (NM_001172650) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF177
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001172650, the custom clone sequence may differ by one or more nucleotides ATGGCTGCAGGGTGGCTGACAACCTGGTCACAGAACTCAGTAACCTTCCAGGAAGTGGCA GTGGACTTTTCCCAGGAGGAGTGGGCATTGCTGGACCCTGCTCAAAAAAATCTATACAAA GATGTGATGCTGGAGAACTTTAGGAACCTGGCCTCAGTAGGGTATCAGCTCTGCAGACAC AGTCTGATCTCCAAGGTGGATCAAGAACAGCTGAAGACAGATGAAAGAGGAATTTTACAA GGTGACTGTGCAGACTGGGAAACTCAACTTAAACCAAAAGATACAATTGCTATGCAGAAC ATTCCTGGGGGAAAAACATCCAATGGCATAAACACGAACTGTGTCAGAACTCACTCTGGA GAGATGCCCTATGAATGCAGTGACTGTGGGAAAGCCTTCATTTTTCAGTCTTCCCTTAAG AAACACATGAGATCTCATACTGGAGAGAAGCCTTATGAGTGTGATCACTGTGGAAAATCC TTTAGCCAGAGCTCTCATCTGAATGTGCACAAAAGAACTCACACTGGAGAGAAACCCTAT GACTGTAAGGAATGTGGGAAGGCTTTCACTGTTCCTTCATCCCTTCAGAAACATGTGAGA ACCCACACTGGAGAGAAACCCTATGAATGCAGTGACTGTGGAAAAGCCTTCATCGATCAG TCATCCCTTAAGAAACACACACGCTCTCACACTGGAGAGAAGCCTTATGAGTGTAACCAG TGTGGAAAGTCCTTCAGCACAGGCTCTTACCTTATTGTGCACAAGAGAACTCACACTGGT GAGAAAACCTATGAGTGTAAAGAATGTGGGAAGGCCTTTAGGAATTCCTCTTGCCTGAGG GTACACGTGAGAACTCACACTGGAGAGAAGCCTTATAAATGTATTCAGTGTGAAAAAGCC TTTAGCACAAGCACTAACCTTATAATGCACAAGCGAATCCACAATGGCCAGAAACTCCAT GAATGA
Restriction Sites:	Please inquire
ACCN:	NM_001172650
Insert Size:	2564 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_001172650.1, NP_001166121.1
RefSeq Size:	2564 bp
RefSeq ORF:	966 bp
Locus ID:	100529215
UniProt ID:	Q13360
Cytogenetics:	19p13.2
Gene Summary:	This locus represents naturally occurring read-through transcription between the neighboring zinc finger protein 559 (ZNF559) and zinc finger protein 177 (ZNF177) genes on chromosome 19. Alternative splicing results in multiple transcript variants, which encode the ZNF177 protein due to either leaky scanning by ribosomes, or absence of the ZNF559 start codon. [provided by RefSeq, Jan 2011] Transcript Variant: This variant (2) contains alternate exon structure in the 5' UTR, uses an alternate splice site that causes a frameshift in the 3' coding region, and lacks a segment of the 3' UTR, compared to variant 4. The resulting isoform (b) has a distinct and longer C-terminus, compared to isoform c. A non-read-through variant of the downstream ZNF177 gene, as represented by GeneID:7730, also encodes isoform b. 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.