

Product datasheet for **SC100782**

ZNF687 (NM_020832) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF687 (NM_020832) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF687
Synonyms:	PDB6
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_020832, the custom clone sequence may differ by one or more nucleotides

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ATGGGGGATGAAGACCCCTGATTTTGTGACCTCCTTGCTGCCTTTGACATCCCTGACATTGATGCGA
ATGAAGCCATCCATTCTGGGCCAGAAGAAAATGAGGGCCTGGAGGCCAGGGAAGCCAGAACCAGGTGT
AGGAAGTGAATCTGAAGACACAGCAGCAGCCTCTGCTGGGGATGGCCCTGGAGTTCAGCCCAGGCCTCT
GACCATGGCCTGCCACCCAGACATTTCTGTAGTCAGTGTATTGTCAAGAACACTGTGTGCCGAGC
AGTCTGAGGCCCTGGCTGGAGGCTCAGCAGGAGACGGGGCCAGGCTGCTGGGGTAACTAAGAAGGGCC
TGTGGGGCCTCATCGAATGCAGAATGGTTTTGGGAGCCCTGAACCTTCCCTCCCAGGAACCCCCACTCT
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CTCATTGTTGGCCCTGAGCCAGGGGACCACTCAGATCCGCTGCCTCCCTCTGCACCCTCTCCCACTCGGA
GGGGGCTCTGACCCCGCCTCCTTTCCCTCTTCTTTGAGCTGGCCAGGAGAATGGCCAGGCATGCAG
CCACCTGTTTCTCCCAACATTGGGGCCTTGAAGCAGGAGAGCTGCAGCCCCATCATCCCCAGGTCC
TAGCCCAACAAGGCTCAGGCTCCAGCCCTAAGGCCACGGACATCCCTGCCAGTGCCTCGCTCCCCAGT
TGCTGGGGTGCCTTCTCAAGCAGTCTCCAGGGCACCAGAGCCCTTTGCCTCCCCAAAGTGCCCGTC
TGTCAGCCCTTGAAGGAAGAAGATGATGATGAGGGGCCAGTGGACAAGTCTTCCCAGGAAGTCCCAGA
GTCCCTCTAGTGGGGCCGAGGCTGCAGATGAGGACAGCAATGACTCCCTCCAGTCTCTTAGGCC
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TGGTGCCCAAGCCCTGCCTAAGGCTGACGGGCGGCAGGCTGGGGACTGGGGACAGAAGGTGAATGG
TGCTCGTGGTGTGATGGTGAACCTTCAAAGACAGCTACTGGGCAAGTACAGGGGGCGGCACAGTGATA
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GTCACCTGCAACCACTGCGCCCGCCGCTGGTCTTCTTCAACAAGTGCAGCCTGCTCCTGCATGCACGTG
 AACACAAGGACAAGGGGCTCGTCATGCAGTGTCCACATTTGGTATGAGGCCTGTAGCCCTTGACCAGAT
 GGTGGGGCAGCCGGACATCACACCGCTGCTGCCTGTAGCTGTCCACCTGTCTCTGGACCTTGCCCTTG
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 ACCTCAAGACCCACTTCCGCACGCATGGCATGGCGTTCATCAGGGCTCGGCAGGGGGCTGTTGGGGACAA
 CTAG

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_020832 unedited
 NNGGTTCAAATATTTGTATACGACTTCACTATAGGGCGGCGGAATTCGCACGAGGACG
 GGTTACGCTGTCGCCAGGAGCTGAACCGCGGAGGACCCCATCCATCAGATTATATGGC
 GATTTAGACGGTGGGAAGACCGCAAGGAAATGGTCAGCGGATGACGTAATGTTTGGGGTG
 GCGTCCCATTCTGTAACCTTCTGTACGGCATCAGTACACGGGTTTAGCTTGAAACAGCCG
 AAAAGGACCTACACTTCTGTGCTCCACTCCGACTCAATGCGGTTCTGCTCTCAGTGCCCA
 CCACACAGAAGCTGGGTTCCCTTACATTCCGCAAAGTGAAGTGCAGCTTCAAGCTTCGAGC
 GGCCAGTAGGGAGCGAGGGGCGGAGACGCACTGGGTGCTCCCCCTTCCAGTAGGCAAGC
 TGGGAAGCAGGCTGGCTTCTTTCTAAGCGACAGTGGCGGAGGCCAATCGTTTACGAGACT
 CGTAGATGGGGCAGACGGACCCCGGCGCAGCCAATGGGGAGAGGTCTGGGATCTGCCGAT
 ATGGGGGATATGAAGACCCTGATTTTGTGACCTCCTTGTGCTTGTGACATCCCTGAC
 ATGATGCGAATGAAGCCATCCATTCTGGGCCAGAAGAAAATGAGGGGCTGGAGGCCCA
 GGAAGCCAGAACCAGGTGTAGGAAGTGAATCTGAAGACACAGCAGCAGCCTCTGCTGGG
 GATGGCCCTGGAGTTCCAGCCCCAGCCTGTGACCATGGCCTGCCACCCGACACATTTCT
 GTAGTCAGTGTCAATTGTCAAGAACAAGTGTGTCCNGAGCAGTCTGAGGCCCTGGCTGGA
 GGCTCAGNCAGAGACGGNCCCAGGCTGCTGGNGTACTAAAGAAGGCCTGTGGCCCTCAT
 CGATGCAGAATGGTT

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_020832 unedited GACCGCGGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTGTGTTGTCCCA GATTTATTGAAAATAATACAGCACTACAGAAAAATCAAACAGGTCCCGAGGCGTTTTG AAATTCATCCCACTGTAGGCTGAGTGACCTGAAGGTTGGACAGACTGCCGAAGTCCAAA AGCTTCAGCATTTCTTAGTGTCAGGATCTACTCAATAATCTCTGAGTTACAGTCCTT GTGATATTCGCGCAGGATGTTTTAATGGTCTTGATCCGCACCTAAGAGGCCTAGAGGAG CTGGAGGCAGGGGAGTCATTGCTGTCTCATCTGCAGCCTCGGCCCCACTAGAGGGACTC TGGGGACTTCTGGGGAAGACTTGTCCTGACTGGCCCTCATCATCTTCTTCTTCAAG GGCTGACAGACGGGCACTTTGGGGGAGGCAAGAGGGCTCTGGTGCCCTGGAGACTGCTTG AAGAAGGGCACCCAGCAACTGGGGGAGGCGAGGCACTGGCAGGGATGTCCGTGGCCTTA GGGCTGGAGCCTGAGCCTTGTGGGCTAGGACCTGGGGATGATGGGGGCTGCAGCTCTCC TGCTTCAAGGCCCAATGGTGGGGAAGAAACAGGTGGCTGCATGCCTGGCCATTCTCC TGGGCCACTCAAAGGAAGAAAGGAAGGANGCGGGTCAAGGCCCTCCCGAGTGGGA GAAGGTGCANAGGAGACCCGGATCTGAGTGGTCCCTGGCTCAAGGCAAAATGAGCAA CGGGTCCAGGGAGTTTTGCCTTCCATGCCTTTTTCTTTTCAGTGCCCCCCTGGGAGAGC AAGAGATTGGGAATTTCTTGGGAGGAAAGTCAAGGCTTCAAAAACATTCTGATTGATGA GGCCCCAGGCCCTTTTATTACCCACAGCCGGGGCCCCGTTCTGGTGGCTCCCCAG GGCTTAAATGTTTCGGGACCAATGGTT
Restriction Sites:	NotI-NotI
ACCN:	NM_020832
Insert Size:	2400 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:	<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_020832.1</u> , <u>NP_065883.1</u>
RefSeq Size:	4598 bp
RefSeq ORF:	3714 bp
Locus ID:	57592
UniProt ID:	<u>Q8N1G0</u>
Cytogenetics:	1q21.3
Domains:	zf-C2H2

Gene Summary:

This gene encodes C2H2 zinc finger protein. The encoded protein may play a role in bone differentiation and development. Mutations in this gene are the cause of Paget disease of bone-6. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. All three variants encode the same protein.