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Product datasheet for SC127232

ZCCHC12 (NM_173798) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZCCHC12 (NM_173798) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZCCHC12
Synonyms:	PNMA7A; SIZN; SIZN1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC127232 sequence for NM_173798 edited (data generated by NextGen Sequencing)

ATGGCTAGCATCATTGCACGTGTCGGTAACAGCCGGCGGCTGAATGCACCCTTGCCGCCT
TGGGCCCATTCCATGCTGAGGTCCCTGGGGAGAAGTCTCGGTCCTATAATGGCCAGCATG
GCAGACAGAAACATGAAGTTGTTCTCGGGGAGGGTGGTGCCAGCCCAAGGGGAAGAAACC
TTTGAAAACTGGCTGACCCAAGTCAATGGCGTCCTGCCAGATTGGAATATGTCTGAGGAG
GAAAAGCTCAAGCGCTTGATGAAAACCCTTAGGGGCCCTGCCCGCGAGGTCATGCGTGTG
CTTCAGGCGACCAACCCTAACCTAAGTGTGGCAGATTTCTTGCGAGCCATGAAATTGGTG
TTTGGGGAGTCTGAAAGCAGTGTGACTGCCCATGGTAAATTTTTTAACACCCTACAAGCT
CAAGGGGAGAAAGCCTCCCTTTATGTGATCCGTTTAGAGGTGCAGCTCCAGAACGCTATT
CAGGCAGGCATTATAGCTGAGAAAGATGCAAACCGGACTCGCTTGCAGCAGCTCCTTTTA
GGCGGTGAGCTGAGTAGGGACCTCCGACTCAGACTTAAGGATTTTCTCAGGATGTATGCA
AATGAGCAGGAGCGGCTTCCCAACTTTCTGGAGTTAATCAGAATGGTAAGGGAGGAAGAG
GATTGGGATGATGCTTTTATTAAACGGAAGCGTCCAAAAAGGTCTGAGTCAATGGTGGAG
AGGGCAGTCAGCCCTGTGGCATTTCAGGGCTCCCCACCGATAGTGATCGGCAGTGCTGAC
TGCAATGTGATAGAGATAGATGATACCCTCGACGACTCCGATGAGGATGTGATCCTGGTG
GAGTCTCAGGACCCTCCACTTCCATCCTGGGGTGCCCCTCCCCTCAGAGACAGGGCCAGA
CCTCAGGATGAAGTGCTGGTCATTGATTCCCCCCACAATTCCAGGGCTCAGTTTCCTTCC
ACCAGTGGTGGTTCTGGCTATAAGAATAACGGTCCTGGGGAGATGCGTAGAGCCAGGAAG
CGAAAACACACAATCCGCTGTTCGTATTGTGGTGAGGAAGGCCACTCAAAAGAAACCTGT
GACAACGAGAGTGACAAGGCCCAGGTTTTTGAGAATTTGATCATCACTCTCCAGGAGCTG
ACCCATACTGAGATGGAGAGGTCAAGAGTGGCCCCTGGCGAATACAATGACTTCTCTGAG
CCACTGTAA

Clone variation with respect to NM_173798.2

View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_173798 unedited
GCATTATGTAATACGAACTCACTATAGGGCGGCCGCGAATTCGCACGAGGCTCCTTCGGG
CAGCCCCGGGTCGCTTAGCGGGCAAGGAGGCTTCAGTTCTTTGCCGCCTGCAAGGCGGAG
ACCAGAAGGCGGAATCCACAGCTGGCGACGCGGGAGCATCTGCTGTCCACCAGCGGAGCA
CAGGCCATCAAAGCCGCATCTGAACTTGAATTCTGTGCAGCTGATTGCAGAGCTGGACCC
GGATCTGCGACCCCCTGTGGACAGAGGTTGACCGTACCCCGGAGAGGAGCTTTCTCACGG
AGGGCACTGGTTGCAGAGGCTGGAAGTGAAATAAAGACGCGCTCTTGTTTCAGAGTTCGT
CCCCTGCTGAGATAGGAAGGCAGAGCCACCTCCTCTCCTCTCCCACCTGCAGATTAAGCT
TTTCTAAAAAGCCTAGGCATCTTCTTATATTCAGATACCCTATCGTCGTCAGTCATGGCT
AGCATCATTGCACGTGTCGGTAACAGCCGGCGGCTGAATGCACCCTTGCCGCCTTGGGCC
CATTCCATGCTGAGGTCCCTGGGGAGAAGTCTCGGTCCTATAATGGCCAGCATGGCAGAC
AGAAACATGAAGTTGTTCTCGGGGAGGGTGGTGCCAGCCCAAGGGGAAGAAACCTTTGAA
AACTGGCTGACCCAAGTCAATGGCGTCCTCCCACAATGGAATATATTTGTGGAGAGAAGA
AACTCTCACGCGCTAGAAGAAAACCCTTAGGGGCCCTGCCCGCGAGGTCATGCGTGTGCT
TCAGGCGACCAACCCTAACCCTAGTGTGCAGATTTCTTGCGAGCCATGAAAATGGNTGTT
GGGNGAGTCTGAAAGCAGTGTGACTGCCCATGGTAAATNTTTTAACACCCTACAGCTCAG
GNNGAGAAAGCCTCCNTTATGTGATCCGTTTAGAGTGCAGCTCCAGACGCTATTAGGCAG
CATATGCTGAGAGATGCAACGACTCCTGCACACTCTTTAGCGTGACTGATAGGACTCCTT
AAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_173798 unedited
AATTACTGTGNACCGCGGCCCNTTTTCGANGATCGAGTTTTTTTTTTTTTTTTTGCTGA
TATATATATTTATTGACATAGAAGCTCACAACATATATTGTTTGGTGAAAAAATACAGAT
AGAACAGCACTTATATTTCATCACTTTTATCTATGCATATATCTATCTGGGTACATAGGT
ATAGGGAAATATCACTCATCAAAGGGTTGACAATGATTATATAAGGGTGGAGAGATTTGG
GTAATTTGTACTTCACTTTTTGTACCTTTTTTATTGTTCAAATATTTAACAATAAATTAT
ACCACTTTCACAAAGAATAAAGCTGTCAAGGAAATGGGCACACACAGAAAACAGACCCGT
AGGCTGCAGGGAGAAGGAGCAAGGACAGAGGTCAGGCTATCTCCCTCCAATGTGCTGGTA
TCCAAGACCCTTTCTACTCCACCCCAAAAGATAGCCGCTTTGTGGATTAATTCATGCAGT
TAGAAGTCCCACCCCCACCCCCACCCCAGTTTTCCCACTACTGGATGCTGAATATAGGTA
AGGGTTCACTGAAACCTGGGGGTGGTCCCTTACAGTGGCTCAGAGAAGTCATTGTATTCG
CCAGGGGCCACTCTTGACCTCTCCATCTCAGTATGGGTCAGCTCCTGGAGAGTGATGATC
AAATTCTCAAAAACCTGGGCCTTGTCACTCTCGTTGTCACAGGTTTCTTTTGAGTGGCCT
TCCTCACCACAATACGAACAGCGGATTGTGTGTTTTCGCTTCCTGGCTCTACGCATCTCC
CCAGGACCGTTATTCTTATAGCCAGAACCACCACTGGTGGAAGGAAACTGAGCCCTGGAA
TTGTGGGGGGAATCAATGACCAGCACTTCATCCTGAGGTCTGGCCCTGTCTCTGGAGGGA
GGGGCACCCCAGATGGAAAGTGAG

Restriction Sites: NotI-NotI

ACCN: NM_173798

Insert Size: 2250 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:	NM_173798.2, NP_776159.1
RefSeq Size:	2212 bp
RefSeq ORF:	1209 bp
Locus ID:	170261
UniProt ID:	Q6PEW1
Cytogenetics:	Xq24
Gene Summary:	This gene encodes a downstream effector of bone morphogenetic protein (BMP) signalling. This protein contains a zinc finger domain and functions as a transcriptional coactivator. Variation in this gene may be associated with X-linked cognitive disability. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2015] Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.