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Product datasheet for SC317752

C16orf88 (KNOP1) (NM_001012991) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C16orf88 (KNOP1) (NM_001012991) Human Untagged Clone
Tag:	Tag Free
Symbol:	C16orf88
Synonyms:	101F10.1; C16orf88; FAM191A; TSG118
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC317752 representing NM_001012991.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATCACCAAGACACACAAAGTAGACCTTGGGCTCCCAGAGAAGAAAAAGAAGAAGAAAGTGGTCAAA
GAACCAGAGACTCGATACTCAGTTTTAAACAATGATGATTACTTTGCTGATGTTTCTCCTTTAAGAGCT
ACATCCCCCTCTAAGAGTGTGGCCCATGGGCAGGCACCTGAGATGCCTCTAGTGAAGAAAAAGAAGAAG
AAAAAGAAGGGTGTCAGCACCCTTTGCGAGGAGCATGTAGAACCTGAGACCACGCTGCCTGCTAGACGG
ACAGAGAAGTCACCCAGCCTCAGGAAGCAGGTGTTTGGCCACTTGGAGTTCCTCAGTGGGGAAAAGAAA
AATAAGAAGTCACCTCTAGCCATGTCCCATGCCTCTGGGGTGAAAACCTCCCCAGACCCTAGACAGGGT
GAGGAGGAAACCAGAGTTGGCAAGAAGCTCAAAAAACACAAGAAGGAAAAAAAGGGGGCCCAGGACCCC
ACAGCCTTCTCGGTCCAGGACCCTTGGTTCTGTGAGGCCAGGGAGGCCAGGGATGTTGGGGACACTTGC
TCAGTGGGGAAGAAGGATGAGGAACAGGCAGCCTTGGGGCAGAAACGGAAGCGGAAGAGCCCCAGAGAA
CACAATGGGAAGGTGAAGAAGAAAAAAAAAATCCACCAGGAGGGAGATGCCCTCCCAGGCCACTCCAAG
CCCTCCAGGTCCATGGAGAGCAGCCCTAGGAAAGGAAGTAAAAAGAAGCCAGTCAAAGTTGAGGCTCCG
GAATACATCCCCATAAGTGATGACCCTAAGGCCTCCGCAAAGAAAAAGATGAAGTCCAAAAAGAAGGTA
GAGCAGCCAGTCATCGAGGAGCCAGCTCTGAAAAGGAAGAAAAAGAAGAAGAGGAAAGAGAGTGGGGTA
GCAGGAGACCCTTGGAAGGAGGAAACAGACACGGACTTAGAGGTGGTGTTGGAAAAAAAAGGCAACATG
GATGAGGCGCACATAGACCAGGTGAGGCGAAAGGCCTTGCAAGAAGAGATCGATCGCGAGTCAGGCAAA
ACGGAAGCTTCTGAAACCAGGAAGTGGACGGGAACCCAGTTTGGCCAGTGGGATACTGCTGGTTTTGAG
AACGAGGACCAAAAACTGAAATTTCTCAGACTTATGGGTGGCTTCAAAAACCTGTCCCCTTCGTTCAGC
CGCCCCGCCAGCACGATTGCAAGGCCCAACATGGCCCTCGGCAAGAAGGCGGCTGACAGCCTGCAGCAG
AATCTGCAGCGGGACTACGACCGGGCCATGAGCTGGAAGTACAGCCGGGGAGCCGGCCTCGGCTTCTCC
ACCGCCCCCAACAAGATCTTTTACATTGACAGGAACGCTTCCAAGTCAGTCAAGCTGGAAGATTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

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Restriction Sites:	SgfI-MluI
ACCN:	NM_001012991
Insert Size:	1377 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_001012991.2
RefSeq Size:	1974 bp
RefSeq ORF:	1377 bp
Locus ID:	400506
UniProt ID:	Q1ED39
Cytogenetics:	16p12.3
MW:	51.6 kDa
Gene Summary:	The protein encoded by this gene is a nucleolar protein that interacts with zinc finger 106 protein. The encoded protein has several of the same characteristics as nucleostemin and may be involved in testis development. [provided by RefSeq, Feb 2017] Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (b) is shorter at the N-terminus compared to isoform a. Variants 2-6 all encode the same isoform (b).