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Product datasheet for SC321754

FAM119A (METTL21A) (NM_145280) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM119A (METTL21A) (NM_145280) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM119A
Synonyms:	FAM119A; HCA557b; HSPA-KMT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

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>OriGene sequence for NM_145280.3
CCACGCGTCCGCACTTCCAGGGTCGGGGAGACGGAACTGCGGCGACCATGTATTTCTGGT
TTATCAAACCGCTAACACCCAGTCTAAGGGCAGGTTCTGTCCCATTGTTATCACTATCGA
AGCAGCCGATGGAGGAGGGGAGGTCTGAGCAGAGGGCGGGGTGCAGGCGGAATGGCCCTC
GTGCCCTATGAGGAGACCACGGAATTTGGGTTGCAGAAATTCCACAAGCCTCTTGCAACT
TTTTCCTTTGCAAACCACACGATCCAGATCCGGCAGGACTGGAGACACCTGGGAGTCGCA
GCGGTGGTTTGGGATGCGGCCATCGTTCTTTCCACATACCTGGAGATGGGAGCTGTGGAG
CTCAGGGGCCGCTCTGCCGTGGAGCTGGGTGCTGGCACGGGGCTGGTGGGCATAGTGGCT
GCCCTGCTGGGTGCTCATGTGACTATCACGGATCGAAAAGTAGCATTAGAATTTCTTAAA
TCAAACGTTCAAGCCAACTTACCTCCTCATATCCAAACTAAAACTGTTGTTAAGGAGCTG
ACTTGGGGACAAAATTTGGGGAGTTTTTCTCCTGGAGAATTTGACCTGATACTTGGTGCT
GATATCATATATTTAGAAGAAACATTCACAGATCTTCTTCAAACACTGGAACATCTCTGT
AGCAATCACTCTGTGATTCTTTTAGCATGCCGAATTCGCTATGAACGGGATAACAACTTC
TTAGCAATGCTGGAGAGGCAATTTATTGTGAGAAAGGTTCACTACGATCCTGAAAAAGAT
GTACATATTTACGAAGCACAGAAGAGAAACCAGAAGGAGGACTTATAATTGGCTATAATT
TATAAGAATGTTGTCATTGAGTGTGTCACTTAAGGTCTTAGACTGCAAATCTAACCATAT
TTAATGAAATGTCTTACTGTACAAAAAGTCTAAGCCAAAGGTTCTCAGGGGAGAAAGCAC
ATGTGCAGTTTTAAAACAAAGCAGTGCTTTGTCCCATTGCTGTGATTTTTAGTCAGACTT
TACTCAGTCTGAAATGCAATTAACATTAAAGGATTAAGTGTGAGATTTCGATTTATGCTA
TTTGTGTATCCCATACTCCTCCCTTTTAATAAACAGTTTCCACTGATGATATGAAGGGCC
GGTATAAAGAAGTCTTTAAATGAGTAAGCTTTCTTGGTAAGATTAAATCTTACAAATTAT
TTTTAAAACCTTGTGATATATACAATGTTTAGCTGAGTTTTCTAATTTTCTGGATGTAAA
ACAAAAGGTTTAACCTATACATTCCTTGAGCTGTTAGTGCTATTTAAATCTTTTGCCCTG
TTTAGGTCCTAAACACTTTTAGTTGAGTAGGATATGAGCTTTTTTGGGTCTCATATCATG
CTTTTTGCCTTAATTTCAGGTATATATATATATAAGTAAAGGAATTAAGTAAAAATAAAA
TTTCAGTTACTTTTTAAAAGCACCTGAAATCTGGCCGGATGCGGTGGCTCATGCCTGTAA
TCCCACCACTTTGGGAGGCCGAGGCGGGCAGATCACCTGAGGTCGGGAGTTCAAGACCAG
CCTGGCCAACATGGTGAAACCCCATCTCTACTAAAAATACAAAAATTAGCCGGGCGTGGT
GTCGGGCGCCTGTAGTCCCAGCTGCTCGGGAGGCTGAGGCAGGGGAATCGCTTGAACCTG
GGAGGCGGAGGTTGCAGTGAGCTGAGATTGCGCCATTGTACTCCAGCCTGGGGGACAGGA
GCGAGACTCCATCTCAAAAAAAAAAAAAAA
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Restriction Sites: Please inquire

ACCN: NM_145280

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_145280.3, NP_660323.2
RefSeq Size:	1770 bp
RefSeq ORF:	657 bp
Locus ID:	151194
UniProt ID:	Q8WXB1
Cytogenetics:	2q33.3
Gene Summary:	Protein-lysine methyltransferase that selectively trimethylates residues in heat shock protein 70 (HSP70) family members. Contributes to the in vivo trimethylation of Lys residues in HSPA1 and HSPA8. In vitro methylates 'Lys-561' in HSPA1, 'Lys-564' in HSPA2, 'Lys-585' in HSPA5, 'Lys-563' in HSPA6 and 'Lys-561' in HSPA8.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.