

Product datasheet for **SC124466**

FAM210B (NM_080821) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM210B (NM_080821) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM210B
Synonyms:	5A3; C20orf108; dj1167H4.1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC124466 sequence for NM_080821 edited (data generated by NextGen Sequencing)

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ATGGCCGGGTTGCTGGCGTTGCTGGGTCCGGCAGGCAGGGTGGGCGCCCGGGTCCGGCCT
CGCGCCACCTGGCTCCTGGGCGCCACCGCCCCCTGCGCCCCGCCGCCCTGGCCCTGGCC
CTGCTCCCGCCCAGGCTAGACGCCCGGCTGCTCCGCACGGCGCGCGGGGACTGCCCGGC
CACCAGGACCCAGCCAGGCCACGGGGACAACAGGCAGCAGCGTCAGCTGCACAGAGGAG
AAAAAGCAAAGCAAGTCACAGCAACTGAAAAAGATTTTCAAGAGTATGGCACTGTTGGC
GTGTCATTGCACATTGGAATCTCATTATTTCTTGGGCATATTTACATGTTGTGTCA
AGTGGTGTGGACATGCCTGCAATCCTGCTGAAACTCGGATTTAAAGAGTCCCTGGTACAG
TCAAAAATGGCAGCAGGCACAAGTACCTTCGTGGTGGCCTATGCAATCCACAAGCTGTTT
GCGCCAGTGAGAATCAGCATTACGCTAGTCTGTGCCCTTGATTGTCAGATATTTTCGA
AAAGTGGGATTTTTTAAACCTCCAGCTGCAAAACCTTAA
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Clone variation with respect to NM_080821.2



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_080821 unedited CAGATTTTGAATACGACTCACTTATAGGGCGGCCGGAATTCGCACCAGGGCCCTCGCC GGGTCAGCTCCGCCACCTCCCGGCCTCCGCCCGCCTCCCGGGTCAGCGGCGCGGGTG CTGCGCCTAGCTGCGCACCATGGCCGGTTGCTGGCGTTGCTGGGTCCGGCAGGCAGGGT GGGCGCCCGGGTCCGGCTCGCGCCACCTGGCTCCTGGGCGCCACCGCCCCTGCGCCCC GCCGCCCTGGCCTGGCCCTGCTCCCGCCAGGCTAGACGCCCGGTGCTCCGCACGGC GCGCGGGGACTGCCGCGGCCACCAAGGACCCAGCCAGGCCAGGGGACAACAGGCAGCAG CGTCAGCTGCACAGAGGAGAAAAAGCAAAGCAAGTCACAGCAACTGAAAAAGATTTTCA AGAGTATGGCACTGTTGGCGTGTATTGCACATTGGAATCTCATTAAATTCCTTGGGCAT ATTTTACATGGTTGTGTCAAGTGGTGTGGACATGCCTGCAATCCTGCTGAAACTCGGATT TAAAGAGTCCCTGGTACAGTCAAAAATGGCAGCAGGCACAAGTACCTTCGTGGTGGCCTA TGCAATCCACAAGCTGTTTGCGCCAGTGAGAATCAGCATTACGCTAGTCTCTGTGCCCTT GATTGTCAGATATTTTCGAAAAGTGGGATTNTTTAAACCTCCAGCTGCAAAACCTTAATG AACTCTTCAGTCGTACACTGAANACCTATNTCTTCTAATAACATGATTTGGATTGGTT NTAGGTTTTANGGTGTANGGTTCTTTTGGAGAAGTAGGNGGCTAATTGCTATGTTCTC ATGGGATAAACTTGCCAGCAAAAATCNGGCTTTTGAACAATTNTAATTNNTTGCCTCAT AAATTTGTGAATGCTATTTCATTATAGGNCCTTGATATATAATCTAAATGTCAGCAGGGC TCGGAGATGGTNTACATCTCAN
Restriction Sites:	NotI-NotI
ACCN:	NM_080821
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.
	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
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:	NM_080821.1 , NP_543011.1
RefSeq Size:	3026 bp

RefSeq ORF:	579 bp
Locus ID:	116151
UniProt ID:	<u>Q96KR6</u>
Cytogenetics:	20q13.2
Protein Families:	Transmembrane
Gene Summary:	Plays a role in erythroid differentiation (PubMed:26968549). Involved in cell proliferation and tumor cell growth suppression (PubMed:28594398). Involved in the metabolic reprogramming of cancer cells in a PDK4-dependent manner (PubMed:28594398).[UniProtKB/Swiss-Prot Function]