

## Product datasheet for RC214530

### FAM123B (AMER1) (NM\_152424) Human Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | FAM123B (AMER1) (NM_152424) Human Tagged ORF Clone                          |
| Tag:                      | Myc-DDK   |
| Symbol:                   | FAM123B   |
| Synonyms:                 | FAM123B; OSCS; WTX  |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-Entry (PS100001)  |
| E. coli Selection:        | Kanamycin (25 ug/mL)  |
| ORF Nucleotide Sequence:  | >RC214530 representing NM_152424<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGACCCAAAAGGATGAAGCTGCTCAGGCCAAGGGAGCTGCAGCCTCTGGGAGTACCCGTGAACAAA  
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CGGCCAGGTAGGCTGAAGAAAAGTCCATGAACTCTTTGGTGGCAAGAAGGGTATCTGTACTCTGCCT  
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CCTGCCTTTGCCTGAGTTACCCTGCCAATTTCCAGCTCTCAGAGTGCCCATGGGGCTTTGGAGACAGGC  
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GCAAACCGAGATGGGACCAAGCGAAGTTCCTGCCTGGTACCTACCAAGGAGGTGGGGAGGAGATGGCCT  
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ATGAACCTGGGCTACCATCCCACCACATCCCAGGCCACCACGGCTACATGCTCCTTGACCCAGTTAGGT  
CTTATCCTGGCCTAGCCCTGGGAACTTTGACTCCTCAGAGTGACCAGCAAGAATCCGCCCAATAG  
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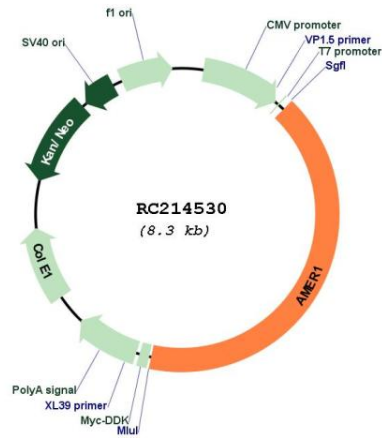
CGCAGGGATTGTCTACCCCGAGACAGCTACAGTGGAGATGCCCTATATGAGTTCTATGAGCCAGATGACA  
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GTGCCCCGAGAAGCTCATGCCAGGGAGGCCACGCCAGGGAGGCCATACTCGAGAGGCTTATGGCAGGGA  
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CATTTTTACTCAAACCTCCCTGAGCTGCCTCCCATGGTGACCTTTGACATCGTGATGTGGAACGGGA  
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GACAGGCCCTTCCAGCCAGTCTCCATATAGGCAGGCAACCTGTTGCATACCTCCTATGACCATGTCAATAT  
CACTATCAGTGCCAGAGTCAAGGGCACCTGGGAATCTGGGCCTCACTAGCTCGTCCCTCACACCTACA  
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AGGCCAAGCCTGTGGCATCACCCATGGCATTCTCAGCTGCCAGGGTCCGGCCTGAGCACCCCAAGCC  
TCAGCCCACTCACTATGGGCCTTCCAGCCTTGACCTGTCAAAGGAGAGGGCTGAGCAAGGTGCTCTCTT  
GCCACCAGCTACTCTCCACTGCCATGAATGGAAACCTAGCCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



|                               |   |
|-------------------------------|---|
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>  |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <a href="#">NM_152424.4</a>   |
| <b>RefSeq Size:</b>           | 8443 bp   |
| <b>RefSeq ORF:</b>            | 3408 bp   |
| <b>Locus ID:</b>              | 139285  |
| <b>UniProt ID:</b>            | <a href="#">Q5JTC6</a>  |
| <b>Cytogenetics:</b>          | Xq11.2  |
| <b>MW:</b>                    | 123.8 kDa   |
| <b>Gene Summary:</b>          | The protein encoded by this gene upregulates transcriptional activation by the Wilms tumor protein and interacts with many other proteins, including CTNNB1, APC, AXIN1, and AXIN2. Defects in this gene are a cause of osteopathia striata with cranial sclerosis (OSCS). [provided by RefSeq, May 2010]   |

Product images:



Circular map for RC214530