

Product datasheet for **SC214943**

FAT2 (NM_001447) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	FAT2 (NM_001447) Human 3' UTR Clone
Symbol:	FAT2
Synonyms:	CDHF8; CDHR9; HFAT2; MEGF1; SCA45
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001447
Insert Size:	1503 bp



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Insert Sequence: >SC214943 3'UTR clone of NM_001447
 The sequence shown below is from the reference sequence of NM_001447. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TATGGCAGCTGTGAGGAGTTCATGTTCTAGCTTCCCATTCCCAGAGCAAGGCAGGCGGGAGGCCAAGGA
CTGGACTTGGCTTATTTCTTCTGTCTCGTAGGGGTGAGTTGAGTGTGGCTGGGAGAGTGGGAGGGAA
GCCCTCAGCCCAGGCTGTTGTCCCTTGAATGTGCTCTTCCAATCCCCACCTAGTCCCTGAGGGTGGGA
GGGAAGCTGAGGATAGAGCTCCAGAAACAGCACTAGGGTCCCAGGAGAGGGGCATTTCTAGAGCAGTGA
CCCTGGAAAACCAGGAACAATTGACTCCCGGGGTGGGCGAGAGACAGGAGGGCTCCCTGATCTGCCGGC
TCTCAGTCCCGGGCAGAGCCTGATTGACTGTGCTGGCTCAACTCACCAAGATGCATTCTCATACCT
GCCACAGCTCCATTTGGAGGCAGGCAGTTGGTGCCTGACAGACAACCACTACGCGGGCCGTACAGA
GGAGCTCTAGAGGGCTGCGTGGCATCCTCCTAGGGGCTGAGAGGTGAGCAGCAGGGGAGCGGGCACAGT
CCCTCTGCCCTGCCTCAGTCGAGCACTACTGTGTCTTTGTCAAGTGTCTGCTCCACGTCAAGCACT
GTGCTTTGCACCGGGGAGAAAATGGTGTGAGGGGCAACAAGGACTCCGAGGAGCACCACAGGCCTCG
GGCCCCAGAGGTCCCCTCCTCAGCCTACACGCAGAGGAACGGGCCACCTCAGAGTCACACCACTGGC
TGCCAGTCAGGGCCTGCCAGGAGTCTACACAGCTCTGAACCTTCTTTGTTAAAGAATTCAGACCTCATG
GAACTCTGGGTTCTTATCCCAAGTTTCCAGGCATTTTGGCCAAGGAAGGAAGGAACTAATTCTTC
CCTAGACACAAGGAAGTCTGAACCTCTATTTAGGGCCGTTGGAAGCAGGGAGCTGGACCCAGTGTCC
AGGCTGGACACCTGCCATTGCCTCCTCCTCATTGCAGACGCCTGCCATCAAGTATTACCTGCGGGCAG
TCAACCCTATGCATGGAGGGTCAATGTGGGCACATGTCTACACATGTGGGTGCCCATGGATAGTACGTG
TGTACACATGTGTAGAGTGTATGTAGCCAGGAGTGGTGGGGACCAGAAGCCTCTGTGGCCTTTGGTGAC
CTCACCCTCCCTCCCACCCAGTCCCTCCTCTGGTCCACTGCCTTTTTCATATGTGTTGTTCTGGAGA
CAGAAGTCAAAGGAAGAGCAGTGGAGCCTTGCCACAGGGCTGCTGCTCATGCGAGAGGGAGATGTG
TGGGCGAGAGCCAATTTGTGTGAGTGGTTGTGGCTGTGTGTGACTGTGAGTGTGAGTGACAGATAC
ATAGTTTCATTGGTCATTTTTTTTTTAAACAATAAAGTATCTTTTTTTACTGTTA
ACGCGTAAGCGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 µg dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_001447.3](#)

Summary:

This gene is the second identified human homolog of the Drosophila fat gene, which encodes a tumor suppressor essential for controlling cell proliferation during Drosophila development. The gene product is a member of the cadherin superfamily, a group of integral membrane proteins characterized by the presence of cadherin-type repeats. In addition to containing 34 tandem cadherin-type repeats, the gene product has two epidermal growth factor (EGF)-like repeats and one laminin G domain. This protein most likely functions as a cell adhesion molecule, controlling cell proliferation and playing an important role in cerebellum development. [provided by RefSeq, Jul 2008]

Locus ID:

2196

MW:

54.7