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Product datasheet for SC210320

YTHDF2 (NM_016258) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	YTHDF2
Synonyms:	CAHL; DF2; HGRG8; NY-REN-2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_016258
Insert Size:	853 bp
Insert Sequence:	>SC210320 3'UTR clone of NM_016258 The sequence shown below is from the reference sequence of NM_016258. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC AAAAAGGAACGTCAAGGTCGTGGGAAATAAAAGGCAGTTCTACACAGACTGCAGCAACGGTTGCATCTG CATATCCTAAGAGGAAAAAATGACCTTCAAGAGAATTAGGACTTTTTTCTTAATTTCACTGACTTCAGA GACGATTGCAGACTTGCAGTTTAAGTATTGGAATTTCACAAAAGACATAGGACTTAACTGGAAAATGAA AAAAAAAAGAAAAAGAAAAAACTAAACAAAAAATCCCTCTAGGTAGTTTAGGTGAAAAATGTCCCTTTT ATTTTGGCTTTGGTTGTGATTTCAGAGCATAATGCTATGTTTTTTTGTCTTTTTACTATGTTTTTCGGA TTTTTAAGTCCGTAAGTGCATACAGTTTTCTCTAATTTTTAAACCCTTTCCTCCTCCCATTTTGACATT TGCACTTGGAGAACACTTGAGTTGTGAAGGTTTTGGGCATCCACCCCAGAAAGTGGGAATTTGATTTTA TCCTTCCGAACTGGAAGAACATTTTTATGAAGAATTTTTGTCTAGGAGAATATAACAGTGTTACCCAAG GTTGTGTCTTTAAGGGTGGTTCATTTTCTCTGACCTTTTGTTACTCAAAGTAAAGTACTAGGAGTCCTA AGAAATGTTCTGTTCTTGTACATTATACTGATTAAGTCAGGATTAATTTGATTTCAAAGCTGAGAACAG TGGTAAAAACTCGTTTACAGAAATGCATTTTGGAAGAGAAAAATACTGTAAAACGTGTCGTGAATGTTT CTTCAGTTTCTTGTTCAGCCAATGAGGAAAGGGCATTGCCTTTCTTTTTACCATTAATCACTTCTCAAT AAACGTGAGATCCTGTTGAGCATCA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI

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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 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_016258.3

Summary: This gene encodes a member of the YTH (YT521-B homology) superfamily containing YTH domain. The YTH domain is typical for the eukaryotes and is particularly abundant in plants. The YTH domain is usually located in the middle of the protein sequence and may function in binding to RNA. In addition to a YTH domain, this protein has a proline rich region which may be involved in signal transduction. An Alu-rich domain has been identified in one of the introns of this gene, which is thought to be associated with human longevity. In addition, reciprocal translocations between this gene and the Runx1 (AML1) gene on chromosome 21 has been observed in patients with acute myeloid leukemia. This gene was initially mapped to chromosome 14, which was later turned out to be a pseudogene. Alternatively spliced transcript variants encoding different isoforms have been identified in this gene. [provided by RefSeq, Oct 2012]

Locus ID: 51441

MW: 33.7