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Product datasheet for SC205153

ILF2 (NM_004515) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ILF2 (NM_004515) Human 3' UTR Clone
Symbol:	ILF2
Synonyms:	NF45; PRO3063
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_004515
Insert Size:	369 bp
Insert Sequence:	>SC205153 3' UTR clone of NM_004515 The sequence shown below is from the reference sequence of NM_004515. The complete sequence of this clone may contain minor differences, such as SNPs. Red=Cloning site Blue=Stop Codon CAATTGGCAGAGCTCAGAATTCAAGCGATCGC GCATGGAAACTCAGGAG**TGA**CATTCCCTTCACTCCTTTTCCTACCCAAGGGGGAAGACTGGAGCCTAAGC TGCCTGCTACTGGGCTTTACATGGTGACAGACATTTCCGTGGGATAGGGAAGATAGCAGGAAGAAAAGTA AACTCCATAGAAGTGTCATTCCACTGGGTTTTGATATTGGCTTAGCTGCCAGTCTCCCATTTGTGACCTA TGCCATCCATCTATAATGGAGGATACCAACATTTCTTCCTAATATTCTATAATCTCCAACTCCTGAAAAC CCCTCTCTCAACTAATACTTTGCTGTTGAAATGTTGTGAAATGTTAAGTGTCTGGAAATTTTTTTTTCTA AGAAAAACTATTAAAGTAC ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCG
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 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

View online »

RefSeq: NM_004515.2

Summary: The protein encoded by this gene is a transcription factor required for T-cell expression of the interleukin 2 gene. It also binds RNA and is an essential component for encapsidation and protein priming of hepatitis B viral polymerase. The encoded 45 kDa protein (NF45, ILF2) forms a complex with the 90 kDa interleukin enhancer-binding factor 3 (NF90, ILF3), and this complex has been shown to affect the redistribution of nuclear mRNA to the cytoplasm, to repair DNA breaks by nonhomologous end joining, and to negatively regulate the microRNA processing pathway. Knockdown of NF45 or NF90 protein retards cell growth, possibly by inhibition of mRNA stabilization. Alternative splicing results in multiple transcript variants. Related pseudogenes have been found on chromosomes 3 and 14. [provided by RefSeq, Dec 2014]

Locus ID: 3608