

Product datasheet for **SC213990**

UNC13B (NM_006377) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	UNC13B (NM_006377) Human 3' UTR Clone
Symbol:	UNC13B
Synonyms:	MUNC13; munc13-2; UNC13; Unc13h2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_006377
Insert Size:	1332 bp



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Insert Sequence: >SC213990 3'UTR clone of NM_006377
The sequence shown below is from the reference sequence of NM_006377. 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
GAGTCTCGTTCCACGGAGGAGGGGAGCTGAACACCTTCGACTCCTGTGCCAATCAGGCAGCAGCAATTT
CACAAATCAGGGCCAGTGGGAGTTAGCTGTGTAACCGGCTTAGGGTCTTTGCAGTCAAGAGGCTGACCC
CTTCAGTTAAAGATATTTAAGGAAAAATTTGGGGTGGTATAATATGGCTTTTCACAGAAAGGGTCATG
AAGCCCTGGCCCAACAGGACTGTGGTACTAGGGGCTGGGATGTGGGGTTACCACATGGAGAGATTTTCC
ATTAAGAGAGAAGGACAAACATTTCTGAGAGTGCAGCCATTCTTGGTAGACACCTCTCCACTCCTCAT
CCCACCTCTACCCATCTCCATGCCACACCTTATCCAGTTAGACACATACATACCAATCATTAGAAGAAC
AAGTTTAGAAGGTGTGGAACCTTGTCCCTGGCTGGCTGGGTAGTCAGCTGAGCCTGTTGCTGAGCCCGGT
GGTCTGGATTGGAGTATGGCCAGGGCAGGAGTACACAGAAATAGAAATTTAGACTGTCCCTTGAGTAGAAT
CCACTGATTTTCTGTGGCTCCAGTGAGAAACAAGGCTTTGAAACTGAACAAGATAACTTCTAGAAATGAA
CTGTAATAATCCCTTTCCCGAGATTGTATCATGAGTAGAATCAGGTTACAGTGGTGCTTCAAAGCCCTG
AGAAGAATATTTCTTTGGACCCAGGCACTAGGGGCCACCTGCCTGGGAGTCTCCCTGCCTCACTCCTC
TAGGCAGGGGAGTGATGCTTCAGGACGTGACAGGCTGTTCTAACATGTGTCTACCTGAGGGCTAGTTGA
AGGATCCAGGAGTATTTTCTTCTTGGGTGGGCCCTGAACAAAGCCAAAAATTTAGAAACCAGTCTAGA
AAAAGTCTGCTCATCTGTGGCCACTGCCTTCTAGCCGTCTCCACCTTGACAGAAAGAATCTAGCCTTT
GGTCTCTCTCTCTCATCGGGGTCAATTTGCTATTTCCCTCTGATATTCAACCCTATAGAAGGAGCCTG
GACTCTGATCCCTCTGTACAGGCTGGATGGAAGGGGCCCTCCACACTTCTGGGAGGTGAGAGACAAAC
TGTTTCAGAGAGTCAGATGGACTTCCCAAGACTTGTGAGAGATGTGACATGGTTCTTGGATTTCTCTCT
GTAGCAGCTCCTGGACTTCTGAGGACTCGACATTGTCCACAGATGACTGGCCATTACATGAAACAA
GAAACCAAGCATCTTTGCTGTTGTTAATTATTATATGTGCCATTGTTACAGGAGATTATAGGCTAGTCT
GTAATAAATTATCTTATAGCA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
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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 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_006377.6](#)

Summary: This gene is expressed in the kidney cortical epithelial cells and is upregulated by hyperglycemia. The encoded protein shares a high level of similarity to the rat homolog, and contains 3 C2 domains and a diacylglycerol-binding C1 domain. Hyperglycemia increases the levels of diacylglycerol, which has been shown to induce apoptosis in cells transfected with this gene and thus contribute to the renal cell complications of hyperglycemia. Studies in other species also indicate a role for this protein in the priming step of synaptic vesicle exocytosis. [provided by RefSeq, Jul 2008]

Locus ID: 10497

MW: 49.9