

## **Product datasheet for SC201430**

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## DNase I (DNASE1) (NM\_005223) Human 3' UTR Clone

**Product data:** 

**Product Type:** 3' UTR Clones

Product Name: DNase I (DNASE1) (NM\_005223) Human 3' UTR Clone

**Vector:** pMirTarget (PS100062)

Symbol: DNASE1

Synonyms: DNL1; DRNI ACCN: NM\_005223

**Insert Size:** 172 bp

Insert Sequence: >SC201430 3'UTR clone of NM\_005223

The sequence shown below is from the reference sequence of NM\_005223. The complete

sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG

TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC

TAGGTAAATAAAGCTCAAGGAGGTGGGGCTGTCA

CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

**Restriction Sites:** Sgfl-Mlul

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).

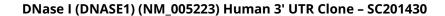
**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The

package also includes 100 pmols of both the corresponding 5' and 3' vector primers in

separate vials.

**RefSeg:** NM 005223.4





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**Summary:** 

This gene encodes a member of the DNase family. This protein is stored in the zymogen granules of the nuclear envelope and functions by cleaving DNA in an endonucleolytic manner. At least six autosomal codominant alleles have been characterized, DNASE1\*1 through DNASE1\*6, and the sequence of DNASE1\*2 represented in this record. Mutations in this gene have been associated with systemic lupus erythematosus (SLE), an autoimmune disease. A recombinant form of this protein is used to treat the one of the symptoms of cystic fibrosis by hydrolyzing the extracellular DNA in sputum and reducing its viscosity. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized. [provided by RefSeq, Jul 2008]

Locus ID: 1773 MW: 6.3