

Product datasheet for SC304928

DNASE2B (NM_021233) Human Untagged Clone

Product data:

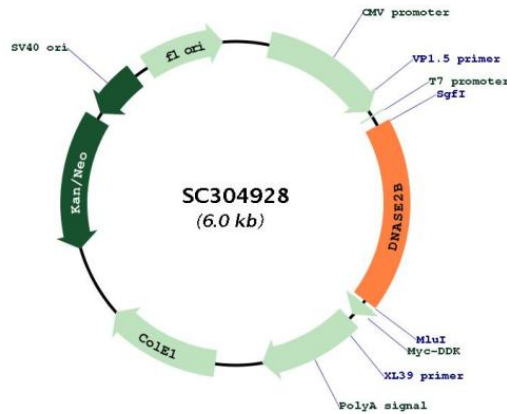
Product Type:	Expression Plasmids
Product Name:	DNASE2B (NM_021233) Human Untagged Clone
Tag:	Tag Free
Symbol:	DNASE2B
Synonyms:	DLAD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304928 representing NM_021233. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAACAGAAAAATGATGGCAAGACTGCTAAGAACATCCTTTGCTTTGCTCTTCCTTGGCCTCTTTGGG
GTGCTGGGGCAGCAACAATTTTCATGCAGAAATGAAGAAGGAAAGCTGTGGACTGGTTACTTTTTAT
AAGTTACCTAAAAGACAAAACAAGGAAAGTGGAGAGACTGGGTTAGAGTACCTGTACCTAGACTCTACA
ACTAGAAGCTGGAGGAAGAGTGAGCAACTAATGAATGACACCAAGAGTGTTCGGGAAGGACATTACAA
CAGCTATATGAAGCATATGCCTCTAAGAGTAACAACACAGCCTATCTAATATACAATGATGGAGTCCCT
AAACCTGTGAATTACAGCAGAAAGTATGGACACACCAAAGGTTTACTGCTGTGGAACAGAGTTCAAGGG
TTCTGGCTGATTCAATCCATCCCTCAGTTTCTCCAATTCGGGAAGAAGGCTATGATTATCCACCCACA
GGGAGACGAAATGGACAAAGTGGCATCTGCATAACTTTCAAGTACAACCAAGTATGAGGCAATAGATTCT
CAGCTCTTGGTCTGCAACCCCAACGTCTATAGCTGCTCCATCCAGCCACCTTTACCAGGAGCTCATT
CACATGCCCCAGCTGTGCACCAGGGCCAGCTCATCAGAGATTCTGGCAGGCTCCTCACCACACTTCAG
TCGGCCAGGGACAAAAATTCCTCCATTTTCAAAGTCCGATTCTTTCTTGACGACATCTTTGCAGCC
TGGATGGCTCAACGGCTGAAGACACACTTGTTAACAGAAACCTGGCAGCGAAAAAGACAAGAGCTTCCT
TCAAATGCTCCCTTCTTACCATGTCTACAATATAAAAGCAATTAATTTATCACGACACTCTTATTTTC
AGTTCTTATCAAGATCATGCCAAGTGGTATTTCCAAAAGGGCACAAAAATCGCTGGACATGTATT
GGAGACCTAAATCGGAGTCCACACCAAGCCTTCAGAAAGTGGAGGATTCATTTGTACCCAGAATTGGCAA
ATTTACCAAGCATTTCAGGATTAGTATTATACTATGAAAGCTGTAAGTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



[View online »](#)

Plasmid Map:


ACCN: NM_021233

Insert Size: 1086 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_021233.2](#)

RefSeq Size: 1279 bp

RefSeq ORF: 1086 bp

Locus ID: 58511

UniProt ID: [Q8WZ79](#)

Cytogenetics: 1p31.1-p22.3

Protein Families: Transmembrane

Protein Pathways: Lysosome

MW: 41.7 kDa

Gene Summary: The protein encoded by this gene shares considerable sequence similarity to, and is structurally related to DNase II. The latter is a well characterized endonuclease that catalyzes DNA hydrolysis in the absence of divalent cations at acidic pH. Unlike DNase II which is ubiquitously expressed, expression of this gene product is restricted to the salivary gland and lungs. The gene has been localized to chromosome 1p22.3 adjacent (and in opposite orientation) to the uricase pseudogene. Two transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) is the full-length transcript and encodes the longer isoform (1), which is more highly expressed in the salivary gland.