

## Product datasheet for **RG237294**

### DNASE1L2 (NM\_001301680) Human Tagged ORF Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | DNASE1L2 (NM_001301680) Human Tagged ORF Clone                                 |
| Tag:                      | TurboGFP   |
| Symbol:                   | DNASE1L2   |
| Synonyms:                 | DNAS1L2  |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-AC-GFP (PS100010)  |
| E. coli Selection:        | Ampicillin (100 ug/mL)   |
| ORF Nucleotide Sequence:  | >RG237294 representing NM_001301680.<br>Blue=ORF Red=Cloning site Green=Tag(s) |

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGCGGGCCCCGGGCTCTGCTGGCCGCACTCTGGGCGCTGGAAGCCGCCGGGACCGCCGCGCTTCGC
ATCGGAGCCTTCAACATTCAGAGCTTCGGTGACAGCAAAGTGTCGGACCCCGCTTGGCGCAGCATCATC
GCGAAGATCCTGGCTGGCTATGACCTCGCGCTGGTGCAGGAGGTGCGAGACCCAGACCTCAGCGCCGTG
TCCGCGCTCATGGAGCAGATCAACAGCGTGTCCGAGCAGGAGTACAGCTTTGTGAGCAGCCAGCCCTG
GGCCGGGACCAGTACAAGGAGATGTACCTGTTCTGTACAGGAAAGACCGGTTGCGGTCTGGACACC
TACCTGTACCCAGACCCCGAGGACGTCTTCAGCCGCGAGCCCTTCGTGGTCAAGTTCTCGGCCCCGGC
ACCGGTGAGCGGGCCCCGCCCTCCCTCCCGCCGAGCTCTGACGCCCCACCCCTCCCGCAGCAGCA
CAGAACCTGGTGCTGATCCCGCTGCACGCGCGCCGCATCAAGCCGTGGCGGAGATCGACGCGCTTAC
GACGTGTACCTGGACGTGATCGACAAGTGGGGCACCGACGACATGCTGTTCTGGGCGACTTCAACGCC
GACTGCAGCTATGTGCGGGCGCAGGACTGGGCCCATCCGTCTGAGGAGCAGTGAGGTCTTCAAGTGG
CTCATCCCTGACAGCGCCGACACCACGGTGGGCAACTCAGACTGCGCCTACGACCGCATTGTGGCCTGT
GGCGCCCGCTGCGCCGGAGCCTGAAGCCCCAGTCGGCCACCGTGACGACTTCCAGGAGGAATTCGGC
CTGGACCAGACTCAGGCTCTTGCATCAGCGACCACTTCCAGTGGAGGTGACCCCAAGTCCACCGA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



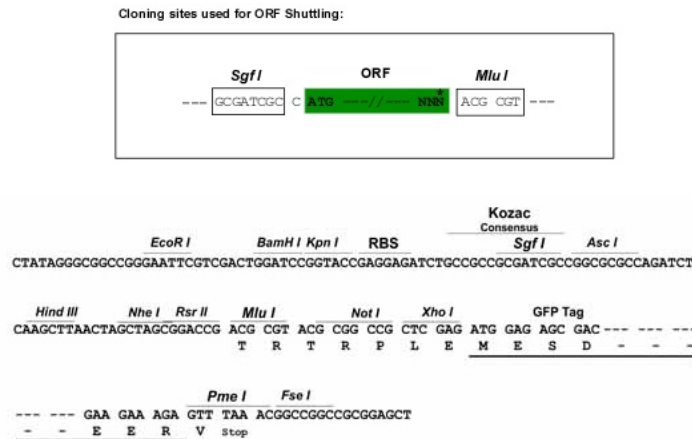
[View online »](#)

**Protein Sequence:** >Peptide sequence encoded by RG237294  
 Blue=ORF Red=Cloning site Green=Tag(s)

MGGPRALLAALWALEAAGTAALRIGAFNIQSFGDSKVSVPACGSIIAKILAGYDLALVQEVDPDLSAV  
 SALMEQINSVSEHEYSFVSSQPLGRDQYKEMYL FVYRKDAVSVVDTYL YPDPEDVFSREPFVVKFSAPG  
 TGERAPPLPSRRALTPPPLPAAAQNLVLIPLHAAPHQVAEIDALYDVYLDVIDKWGTDMLFLGDFNA  
 DCSYVRAQDWAAIRLSSEVFKWLIPDSADTTVGNSDCAYDRIVACGARLRRLKPKSATVHDFQEFG  
 LDQTQALAI SDHFPVEVTLKFHR  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001301680

**ORF Size:** 897 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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).

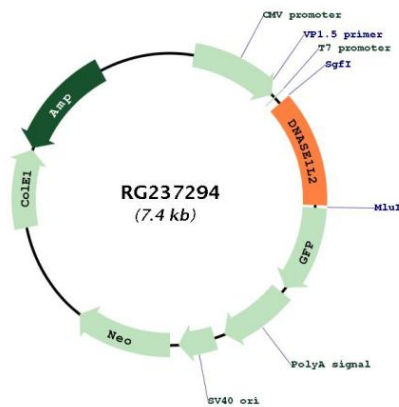
**RefSeq:** [NM\\_001301680.2](#)

**RefSeq Size:** 1342 bp

**RefSeq ORF:** 900 bp

**Locus ID:** 1775  
**UniProt ID:** [Q92874](#)  
**Cytogenetics:** 16p13.3  
**Protein Families:** Secreted Protein  
**MW:** 32.9 kDa  
**Gene Summary:** Divalent cation-dependent acid DNA endonuclease involved in the breakdown of the nucleus during corneocyte formation of epidermal keratinocytes. May play an immune role by eliminating harmful DNA released into the extracellular environment by damaged epidermal cells.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RG237294