

Product datasheet for **RG223658**

Deoxyribonuclease I like 1 (DNASE1L1) (NM_001009934) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Deoxyribonuclease I like 1
Synonyms:	DNAS1L1; DNASEX; DNL1L; G4.8; XIB
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG223658 representing NM_001009934
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCACTACCCAAGTGCCTCTTCTCATCTGGCCAATGGGGCCAGGCCTTTGCGATCTGCGCCT
TCAATGCCCAGCGGCTGACACTGGCCAAGGTGGCCAGGGAGCAGGTGATGGACACCTTAGTTTCGGATACT
GGCTCGCTGTGACATCATGGTGTGCAGGAGGTGGTGGACTCTTCCGGCAGCGCCATCCCGCTCTGCTT
CGAGAACTCAATCGATTTGATGGCTCTGGGCCCTACAGCACCTGAGCAGCCCCAGCTGGGGCGCAGCA
CCTACATGGAGACGTATGTACTTCTATCGGTACACAAAACACAGTCTGAGTTCTACGTGTACAA
CGATGAGGATGACGTCTTTGCCCGGGAGCCATTGTGGCCAGTTCTTTGCCAGCAATGTCTTCCC
AGCCTGGTGTGGTCCCGCTGCACACCACTCCTAAGGCCGTAGAGAAGGAGCTGAACGCCCTCTACGATG
TGTTTCTGGAGGTCTCCAGCACTGGCAGAGCAAGGACGTGATCCTGCTTGGGACTTCAATGCTGACTG
CGCTTCACTGACCAAAAAGCGCTGGACAAGCTGGAGCTGCGGACTGAGCCAGGCTTCCACTGGGTGATT
GCCGATGGGGAGGACACCAAGTGCAGGCGCCAGCACCACTGCACCTATGACCGCGTCGTGCTGCACGGGG
AGCGCTGCCGAGTCTGCTGCACACTGCGGCTGCCTTTGACTTCCCACGAGCTTCCAGCTACCCGAGGA
GGAGGCCCTCAACATCAGTGACCACTACCCCGTGGAGGTGGAGCTGAAGCTGAGCCAGGCGCACAGCGTC
CAGCCTCTCAGCCTCACTGTTCTGTTGCTGCTATCACTCCTGTCCCCTCAGCTGTGCCCTGCTGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG223658 representing NM_001009934
 Red=Cloning site Green=Tags(s)

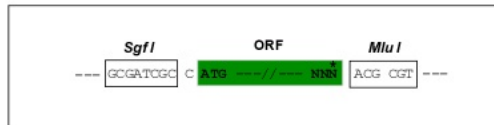
MHYPTALLFLILANGAQAFRICAFAQRLTLAKVAREQVMDTLVRILARCDIMVLQEVVDSSGSAIPLLL
 RELNRFDGSGPYSTLSSPQLGRSTYMETYYFYRSHKTQVLSSVYVNDVDFAREPFVAQFSLPSNVLP
 SLVLVPLHTTPKAVEKELNALYDVFLVSHWQSKDVILLGDFNADCASLTKKRLDKLELRTEPGFHWVI
 ADGEDTTVRASHTCTYDRVVLHGRCRSLHTAAAFDFPTSFQLTEEEALNISDHYPVEVELKLSQAHSV
 QPLSLTVLLLLSLLSPQLCPAA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



CTATAGGGCGGCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCCGCCGATCGCCGGCGCCAGATCT

EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI

CAAGCTTAAGTCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC ---

HindIII NheI RsrII MluI NotI XhoI GFP Tag

T R T R P L E M E S D - - -

--- GAA GAA AGA GTT TAA ACGGCCGCCGCGGAGCT

- - E E R V Stop

ACCN: NM_001009934

ORF Size: 906 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).

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001009934.2](#), [NP_001009934.1](#)

RefSeq Size: 2665 bp

RefSeq ORF: 909 bp

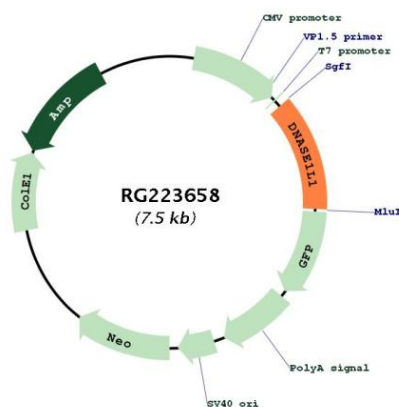
Locus ID: 1774

UniProt ID: [P49184](#)

Cytogenetics: Xq28

Gene Summary: This gene encodes a deoxyribonuclease protein that shows high sequence similarity to DNase I. The encoded protein is localized to the endoplasmic reticulum and modified by N-linked glycosylation. Alternate transcriptional splice variants encoding the same protein have been observed. [provided by RefSeq, Jan 2015]

Product images:



Circular map for RG223658