

## Product datasheet for **RG237983**

### PRUNE (PRUNE1) (NM\_001303242) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PRUNE (PRUNE1) (NM_001303242) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PRUNE1
Synonyms:	DRES-17; DRES17; H-PRUNE; HTCD37; NMIHBA; PRUNE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237983 representing NM_001303242. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGGACTACCTGCAGGGTTGTGCGAGTCTCTGCAGGAGTCCCGACCTCTACATGTTGTGCTGGGA
AATGAAGCCTGTGATTTGGACTCCACAGTGTCTGCTCTTGCCCTGGCTTTTACCTAGCAAAGACAAC
GAGGCTGAGGAAGTCTTTGTGCCAGTTTTAAATATAAAACGTTCTGAACTACCTCTGCGAGGTGACATT
GTCTTCTTTCTCAGAAGTTCATATTCCAGAGAGTATCTTGATTTTTCGGGATGAGATTGACCTCCAT
GCATTATACCAGGCTGGCAACTCACCTCATCTTGTGACCATCATATCTTATCCAAAAGTGACACA
GCCCTAGAGGAGGCAGTAGCAGAGGTGCTAGACCATCGACCCATCGAGCCGAAACACTGCCCTCCCTGC
CATGTTTCAGTTGAGCTGGTGGGGTCTGTGCTACCCTGGTGACCGAGAGAATCCTGCAGGGGGCACCA
GAGATCTTGACAGGCAAACTGCAGCCCTTCTGCATGGAACCATCATCTTGGACTGTGTCAACATGGAC
CTTAAATTTGAAAGGCAACCCCAAAGGACAGCAAATATGTGGAGAACTAGAGGCCCTTTTCCCAGAC
CTACCAAGAGAAATGATATATTTGATTCCCTACAAAAGGCAAAGTTTGATGTATCAGGACTGACCACT
GAGCAGATGCTGAGAAAAGACCAGAAGACTATCTATAGACAAGGCGTCAAGGTGGCCATTAGTGAATA
TATATGGATTTGGAGATCTGTGAAGTCTGGAACGCTCCCACTCTCCACCCTGAAGCTGACCCCTGCC
TCAAGTACCCACCCTAACCTCCATGCCTATCTTCAAGGCAACACCCAGGTCTCTCGAAAGAACTTCTG
CCCCTGCTCCAGGAAGCCCTGTGACATATTTGACTCCATGAAGATCCCTTCAGGACAGCCTGAGACA
GCAGATGTGTCCAGGGAGCAAGTGGACAAGGAATTGGACAGGGCAAGTAACTCCCTGATTTCTGGCCTG
AGTCAAGATGAGGAGGACCCCTCCGCTGCCCCGACGCCATGAACAGCTTGGTGGATGAGTGCCCTCTA
GATCAGGGGCTGCCTAACTCTCTGCTGAGGCCGTCTTCGAGAAGTGCAGTCTCACTGTCACAG
TCTACCACAGCCTCCCTGTCCAAGAAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



View online »

**Protein Sequence:** >Peptide sequence encoded by RG237983  
 Blue=ORF Red=Cloning site Green=Tag(s)

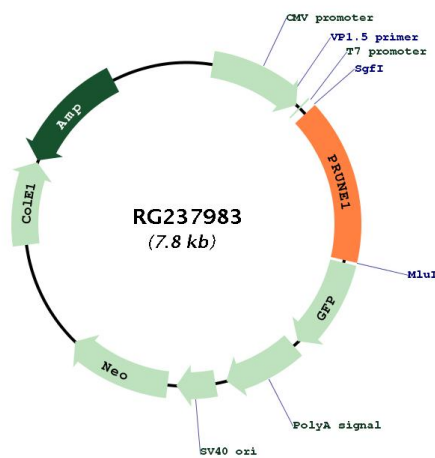
MEDYLQGCRAALQESRPLHVVLGNEACDLSTVSALALAFYLAKTTEAEEVFPVNLNIKRSELPLRGDI  
 VFFLQKVHIPESILIFRDEIDLHALYQAGQLTLILVDHHLISKSDTALEEVAEVLDRPIEPKHCPPC  
 HVSVELVGSCATLVTERILQGAPEILDRQTAALLHGTIILDCVNMDLKIGKATPKDSKYVEKLEALFPD  
 LPKRNDIFDSLQAKAFDVSGLTTEQMLRKDQKTIYRQGVKVAISAIYMDLEICEVLEERSHPPLKLT  
 PA SSTHPNLHAYLQGNQVSRKLLPLLEAL SAYFDSMKIPSGQPETADV SREQVDKELDRASNLSI  
 SGL SQDEEDPPLPPTPMNSLVDECPDQGLPKLSAEAVFEKCSQISLSQSTTASLSKK  
**TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV**  
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



<b>ACCN:</b>	NM_001303242
<b>ORF Size:</b>	1200 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>RefSeq:</b>	<a href="#">NM_001303242.2</a>
<b>RefSeq Size:</b>	2942 bp
<b>RefSeq ORF:</b>	1203 bp
<b>Locus ID:</b>	58497
<b>UniProt ID:</b>	<a href="#">Q86TP1</a>
<b>Cytogenetics:</b>	1q21.3
<b>Protein Pathways:</b>	Purine metabolism
<b>MW:</b>	44.7 kDa
<b>Gene Summary:</b>	This gene encodes a member of the DHH protein superfamily of phosphoesterases. This protein has been found to function as both a nucleotide phosphodiesterase and an exopolyphosphatase. This protein is believed to stimulate cancer progression and metastases through the induction of cell motility. A pseudogene has been identified on chromosome 13. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]