

Product datasheet for **SC319558**

PRUNE (PRUNE1) (NM_021222) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRUNE (PRUNE1) (NM_021222) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRUNE
Synonyms:	DRES-17; DRES17; H-PRUNE; HTCD37; NMIHBA; PRUNE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_021222.1
GCGGGTTCGAGTCCCGCCTCCTGACTCTGGCCTCTAGTCCCTGAGTCCCGGGCGGGCTGC
ATTCGTCGGGGAAACCTCTCCTCGACCAGGGGCACCTCTACTCGACCAGGGGCGACGGCG
TACTTTGGGCTTCATCATGGAGGACTACCTGCAGGGTTGTCGAGCTGCTCTGCAGGAGTC
CCGACCTCTACATGTTGTGCTGGGAAATGAAGCCTGTGATTTGGACTCCACAGTGTCTGC
TCTTGGCCCTGGCTTTTTACCTAGCAAAGACAACCTGAGGCTGAGGAAGTCTTTGTGCCAGT
TTTAAATATAAAACGTTCTGAACCTCTGCGAGGTGACATTTGCTTCTTTCTTCAGAA
GGTTCATATTCCAGAGAGTATCTTGATTTTTCGGGATGAGATTGACCTCCATGCATTATA
CCAGGCTGGCCTCACTCACCTCATCCTTGTGACCATCATATCTTATCCAAAAGTGACAC
AGCCCTAGAGGAGGCAGTAGCAGAGGTGCTAGACCATCGACCCATCGAGCCGAAACACTG
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AATCCTGCAGGGGGCACCAGAGATCTTGGACAGGCAAACCTGCAGCCCTTCTGCATGGAAC
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CAAATATGTGGAGAACTAGAGGCCCTTTCCAGACCTACCCAAGAGAAATGATATATT
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GATGTTTGGAGATTAGCAATTTCTGTCTTATTGCTCCAGGATCTGGTAACTGTTCTCA
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CACCCAGAAAGGCCTTAATGACCTCATAGGCACTTCCAAAAAGACAACAGAAGTGGAA
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TCTCTGATTTTTCTTCTGTTATCCCTGGGGTGTCTCAGGTTCACTTGATTGTCTGTATT
TCTGTGTGGTTAGCAAGGACTCAGCCTCATGTAGCACGAATAGGGGTGTGGTTTATGG
CGTGTGACCCAGCAGAGCACTCCCTCCCACTAACTTGTCTGCATGTGTAGAGTCTCCC
CATTTTTTTAACGCAACCTTTCCCTTTTTCTACCCACAGCTCTGTTCCATGTAAG
TTGCCAACAGTTTCACTGAACAGTGGGGTATGTGATGGTTTTGGCATGACATCTTCAGTA
TGAGGGGGACAGTTTACTTCACTTTGAGGGTGTGATGTCTGTAGCTATGTGGAAGGTAA
AAATAGTGGTGTGATCATGAACCAAAGGAATTTATGTTTTGAACTTGGGTACTTTATTT
TGCAATTTGTTATACTATTAATAATTTTTTCTGTTAAAAAATAAAAAAAAAAAAAA
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Restriction Sites:	Please inquire
ACCN:	NM_021222
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:	<ol style="list-style-type: none">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_021222.1 , NP_067045.1
RefSeq Size:	2995 bp
RefSeq ORF:	1362 bp
Locus ID:	58497
UniProt ID:	Q86TP1
Cytogenetics:	1q21.3
Domains:	DHH, DHHA2
Protein Pathways:	Purine metabolism
Gene Summary:	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] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).