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Product datasheet for SC334842

PRUNE (PRUNE1) (NM_001303243) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRUNE (PRUNE1) (NM_001303243) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRUNE
Synonyms:	DRES-17; DRES17; H-PRUNE; HTCD37; NMIHBA; PRUNE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001303243, the custom clone sequence may differ by one or more nucleotides

ATGAGATTGACCTCCATGCATTATACCAGGCTGGCCAACTCACCCTCATCCTTGTCGACCATCATATCTT
ATCCAAGACTGACCACTGAGCAGATGCTGAGAAAAGACCAGAAGACTATCTATAGACAAGGCGTCAAGGT
GGCCATTAGTGCAATATATATGGATTTGGAGGCCTTTCTGCAGAGGTCTAACCTCCTTGCAGATCTCCAT
GCTTTCTGCCAGGCTCACAGCTATGATGTCCTGGTTGCCATGACTATCTTTTTCAACACTCACAATGAGC
CAGTGCGGCAGTTGGCTATTTTCTGTCCCCATGTGGCACTCCAAACAACGATCTGTGAAGTCCTGGAACG
CTCCCACTCTCCACCCCTGAAGCTGACCCCTGCCTCAAGTACCCACCCTAACCTCCATGCCTATCTTCAA
GGCAACACCCAGGTCTCTCGAAAGAAACTTCTGCCCCTGCTCCAGGAAGCCCTGTCAGCATATTTTGACT
CCATGAAGATCCCTTCAGGACAGCCTGAGACAGCAGATGTGTCCAGGGAGCAAGTGGACAAGGAATTGGA
CAGGGCAAGTAACTCCCTGATTTCTGGCCTGAGTCAAGATGAGGAGGACCCTCCGCTGCCCCCGACGCCC
ATGAACAGCTTGGTGGATGAGTGCCCTCTAGATCAGGGGCTGCCTAAACTCTCTGCTGAGGCCGTCTTCG
AGAAGTGCAGTCAGATCTCACTGTCACAGTCTACCACAGCCTCCCTGTCCAAGAAGTGA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001303243
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).

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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_001303243.1, NP_001290172.1
RefSeq Size:	2757 bp
RefSeq ORF:	759 bp
Locus ID:	58497
UniProt ID:	Q86TP1
Cytogenetics:	1q21.3
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 (4) lacks two alternate exons in the 5' coding region resulting in a distinct 5' UTR and the use of an alternate downstream start codon, compared to variant 1. The resulting protein (isoform 4) has a distinct N-terminus and is shorter compared to isoform 1.