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Product datasheet for SC205431

PEPD (NM_001166056) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PEPD (NM_001166056) Human 3' UTR Clone
Symbol:	PEPD
Synonyms:	PROLIDASE
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001166056
Insert Size:	424 bp
Insert Sequence:	>SC205431 3'UTR clone of NM_001166056 The sequence shown below is from the reference sequence of NM_001166056. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GCCTTTACCCCCTTCTCTGGCCCCAAGTAGAGCCAGCCAGAAATCCCAGCGCACCTGGGGGCCTGGCCT TGCAACCTCTTTTCGTGATGGGCAGCCTGCTGGTCAGCACTCCAGTAGCGAGAGACGGCACCCAGAATC AGATCCCAGCTTCGGCATTTGATCAGACCAAACAGTGCTGTTTCCCGGGGAGGAAACACTTTTTTAATT ACCCTTTTGCAGGCTCCCACCTTTAATCTGTTTTATACCTTGCTTATTAAATGAGCGACTTAAAATGAT TGAAAATAATGCTGTTCTTTAGTAGCAACTAAAATGTGTCTTGCTGTCATTTATATTCCTTTTCCCAGG AAAGAAGCATTTCTGATACTTTCTGTCAAAAATCAATATGCAGAATGGCATTTGCAATAAAAGGTTTCC TAAAATGGTC ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

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RefSeq:	NM_001166056.2
Summary:	This gene encodes a member of the peptidase family. The protein forms a homodimer that hydrolyzes dipeptides or tripeptides with C-terminal proline or hydroxyproline residues. The enzyme serves an important role in the recycling of proline, and may be rate limiting for the production of collagen. Mutations in this gene result in prolidase deficiency, which is characterized by the excretion of large amount of di- and tri-peptides containing proline. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2009]
Locus ID:	5184
MW:	15.9