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Product datasheet for SC214492

Nucleoside phosphorylase (PNP) (NM_000270) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Nucleoside phosphorylase (PNP) (NM_000270) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PNP
Synonyms:	NP; PRO1837; PUNP
ACCN:	NM_000270
Insert Size:	518 bp
Insert Sequence:	>SC214492 3'UTR clone of NM_000270 The sequence shown below is from the reference sequence of NM_000270. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC AGCATTCCACTCCCTGACAAAGCCAGTTGACCTGCCTTGGAGTCGTCTGGCATCTCCCACACAAGACCC AAGTAGCTGCTACCTTCTTTGGCCCCTTGCTGGAGTCATGTGCCTCTGTCCTTAGGTTGTAGCAGAAAG GAAAAGATTCCTGTCCTTCACCTTTCCCACTTTCTTCTACCAGACCCTTCTGGTGCCAGATCCTCTTCT CAAAGCTGGGATTACAGGTGTGAGCATAGTGAGACCTTGGCGCTACAAAATAAAGCTGTTCTCATTCCT GTTCTTTCTTACACAAGAGCTGGAGCCCGTGCCCTACCACACATCTGTGGAGATGCCCAGGATTTGACT CGGGCCTTAGAACTTTGCATAGCAGCTGCTACTAGCTCTTTGAGATAATACATTCCGAGGGGCTCAGTT CTGCCTTATCTAAATCACCAGAGACCAAACAAGGACTAATCCAATACCTCTTGGATTTTATTTAATGTC ATAATGTTGTCAGAATAAAGAGAAAGATGAAATAA 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.
RefSeq:	NM_000270.4

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Summary: This gene encodes an enzyme which reversibly catalyzes the phosphorolysis of purine nucleosides. The enzyme is trimeric, containing three identical subunits. Mutations which result in nucleoside phosphorylase deficiency result in defective T-cell (cell-mediated) immunity but can also affect B-cell immunity and antibody responses. Neurologic disorders may also be apparent in patients with immune defects. A known polymorphism at aa position 51 that does not affect enzyme activity has been described. A pseudogene has been identified on chromosome 2. [provided by RefSeq, Jul 2008]

Locus ID: 4860

MW: 19