OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC205815

PTS (NM_000317) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PTS (NM_000317) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PTS
Synonyms:	PTPS
ACCN:	NM_000317
Insert Size:	448 bp
Insert Sequence:	>SC205815 3'UTR clone of NM_000317 The sequence shown below is from the reference sequence of NM_000317. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC AATAATATTGTGGTTTATAAAGGAGAATAGCTATTGGGGTTAGCATTGCACAAAGCCCAGTTTCTTTCT GTGTTTGAAAAAGATTTTGATCCCCTTGGAATATTAAGAGGTCAACACGTGATTGTTGTACGTACACAT TGTGCTCTGGAGTGCCTATTTATTGAAATCATTGTAAGACCTGTTATAAATTTAAGTCTATTTAAAACT AAACTTGTAATATACATCCTGAAAATCATTTAGAGAGTCTTTTATTTATAAATTAAAAATCACTTCATT TTCACAAAATGTTTTGGTGTGGGATTATTTGAAAGCAAAAGAAATCTAATTTTGTTTTCTCCATTACCT CATTTTAGTATTAATTTTTACTTGGTATAATATACATGGTTAAAATGCTTATGTGACTTCGAGTAGGTG AATCTTAAAGAAATAAAATTCAAGTGACCACAAA 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_000317.3

View online »

Summary:	The enzyme encoded by this gene catalyzes the elimination of inorganic triphosphate from dihydroneopterin triphosphate, which is the second and irreversible step in the biosynthesis of tetrahydrobiopterin from GTP. Tetrahydrobiopterin, also known as BH(4), is an essential cofactor and regulator of various enzyme activities, including enzymes involved in serotonin biosynthesis and NO synthase activity. Mutations in this gene result in hyperphenylalaninemia. [provided by RefSeq, Oct 2008]
Locus ID:	5805
MW:	17.5