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Product datasheet for SC205168

Cytochrome P450 Reductase (POR) (NM_000941) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Cytochrome P450 Reductase (POR) (NM_000941) Human 3' UTR Clone
Symbol:	Cytochrome P450 Reductase
Synonyms:	CPR; CYPOR; P450R
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000941
Insert Size:	404 bp
Insert Sequence:	>SC205168 3'UTR clone of NM_000941 The sequence shown below is from the reference sequence of NM_000941. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GGCCGCTACTCCCTGGACGTGTGGAGCTAGGGCCTGCCTGCCCCACCCACCCCACAGACTCCGGCCTG TAATCAGCTCTCCTGGCTCCCTCCCGTAGTCTCCTGGGTGTGTTTGGCTTGGCCTTGGCATGGGCGCAG GCCCAGTGACAAAGACTCCTCTGGGCCTGGGGTGCATCCTCCTCAGCCCCCAGGCCAGGTGAGGTCCAC CGGCCCCTGGCAGCACAGCCCAGGGCCTGCATGGGGGCACCGGGCTCCATGCCTCTGGAGGCCTCTGGC CCTCGGTGGCTGCACAGAAGGGCTCTTTCTCTCTGCTGAGCTGGGCCCAGCCCCTCCACGTGATTTCCA GTGAGTGTAAATAATTTTAAATAACCTCTGGCCCTTGGAATAAAGTTCTGTTTTCTGTA 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.

View online »

RefSeq: NM_000941.3

Summary: This gene encodes an endoplasmic reticulum membrane oxidoreductase that is essential for multiple metabolic processes, including reactions catalyzed by cytochrome P450 proteins for metabolism of steroid hormones, drugs and xenobiotics. The encoded protein has a flavin adenine dinucleotide (FAD)-binding domain and a flavodoxin-like domain which bind two cofactors, FAD and FMN, that allow it to donate electrons directly from NADPH to all microsomal P450 enzymes. Mutations in this gene cause a complex set of disorders, including apparent combined P450C17 and P450C21 deficiency, amenorrhea and disordered steroidogenesis, congenital adrenal hyperplasia and Antley-Bixler syndrome, that resemble those caused by defects in steroid metabolizing enzymes such as aromatase, 21-hydroxylase, and 17 alpha-hydroxylase. [provided by RefSeq, Aug 2020]

Locus ID: 5447

MW: 14.2