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Product datasheet for SC116955

Cyclophilin 40 (PPID) (NM_005038) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyclophilin 40 (PPID) (NM_005038) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cyclophilin 40
Synonyms:	CYP-40; CYPD
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC116955 sequence for NM_005038 edited (data generated by NextGen Sequencing)

ATGTCGCACCCGTCCCCCCAAGCCAAGCCCTCCAACCCCAGTAACCCTCGAGTCTTCTTT
GACGTGGACATCGGAGGGGAGCGAGTTGGTCGAATTGTCTTAGAATTGTTTGCAGATATC
GTACCCAAAACTGCGGAAAATTTTCGTGCACTGTGTACAGGAGAAAAAGGCATTGGACAC
ACGACTGGGAAACCTCTCCATTTCAAAGGATGCCCTTTTCATCGAATTATTAAGAAATTT
ATGATTCAGGGTGGAGACTTCTCAAATCAGAATGGGACAGGTGGAGAAAGTATTTATGGT
GAAAAATTTGAAGATGAAAATTTCCATTACAAGCATGATCGGGAGGGTTTACTGAGCATG
GCAAATGCAGGCCGCAACACAAACGGTTCTCAGTTTTTTATCACAACAGTTCCAACTCCT
CATTTGGATGGGAAACATGTGGTGTTTGGCCAAGTAATTAAAGGAATAGGAGTGGCAAGG
ATATTGGAAAATGTGGAAGTGAAAGGTGAAAAACCTGCTAAATTGTGCGTTATTGCAGAA
TGTGGAGAATTGAAGGAAGGAGATGACGGGGGAATATTCCCAAAAGATGGCTCTGGCGAC
AGTCATCCAGATTTCCCTGAGGATGCGGATATAGATTTAAAAGATGTAGATAAAATTTTA
TTAATAACAGAAGACTTAAAAAACATTGGAAATACTTTTTTCAAATCCCAGAACTGGGAG
ATGGCTATTAAAAAATATGCAGAAGTTTTAAGATACGTGGACAGTTCAAAGGCTGTTATT
GAGACAGCAGATAGAGCCAAGCTGCAACCTATAGCTTTAAGCTGTGTACTGAATATTGGT
GCTTGTAAACTGAAGATGTCAAATTGGCAGGGAGCAATTGACAGTTGTTTAGAGGCTCTT
GAACTAGACCCATCAAATACCAAAGCATTGTACCGCAGAGCTCAAGGATGGCAAGGATTA
AAAGAATATGATCAAGCATTGGCTGATCTTAAGAAAGCTCAGGGGATAGCACCAGAAGAT
AAAGCTATCCAGGCAGAATTGCTGAAAGTCAAACAAAAGATAAAGGCACAGAAAGATAAA
GAGAAGGCAGTATATGCAAAAATGTTTGCTTAG

Clone variation with respect to NM_005038.2

View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005038 unedited
NGTACGAATTTGTATACGACTCATATAGGCGGCCGCGNAATTCGCACGAGGCGGAGACGG
ACTCTGGAGTTTGGGCGGCCCGGGCGGCCACTAGGTACTCTGATATTCCGTACTAAACAC
GTCTGCAAGTCAAGATGTCGCACCCGTCCCCCCAAGCCAAGCCCTCCAACCCCAGTAACC
CTCGAGTCTTCTTTGACGTGGACATCGGAGGGGAGCGAGTTGGTCGAATTGTCTTAGAAT
TGTTTGCAGATATCGTACCCAAAACTGCGGAAAATTTTCGTGCACTGTGTACAGGAGAAA
AAGGCATTGGACACACGACTGGGAAACCTCTCCATTTCAAAGGATGCCCTTTTCATCGAA
TTATTAAGAAATTTATGATTCAGGGTGGAGACTTCTCAAATCAGAATGGGACAGGTGGAG
AAAGTATTTATGGTGAAAAATTTGAAGATGAAAATTTCCATTACAAGCATGATCGGGAGG
GTTTACTGAGCATGGCAAATGCAGGCCGCAACACAAACGGTTCTCAGTTTTTTATCACAA
CAGTTCCAACTCCTCATTTGGATGGGAAACATGTGGTGTTTGGCCAAGTAATTAAAGGAA
TAGGAGTGGCAAGGATATTGGAAAATGTGGAAGTGAAAGGTGAAAAACCTGCTAAATTGT
GCGTTATTGCAGAATGTGGAGAATTGAAGGAAGGAGATGACGGNGGAATATTCCCAAAAG
ATGGCTCTGGCGACAGTCATCCAGATTTCCCTGAGGATGCNGATATAGATNTAAAAGATG
TAGATAAAATTTTATTAATAACAGAAGACTTANAAACATTGGAAATACTTTNTTCAATNC
CAGAACTGGAGATGGCTATTAAAAAATGCAGAGNTTAAAGATCGTGGACAGTCAAAGCTG
TTATGAGACGCANAAGAGCAGCTGCACTATACTTAAGCTGGTCTGAAATTGGGGCTTGA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005038 unedited
CCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTAAGCTCTCATCTCTTTATTCAATA
AGATGTGTCTTTACAAGTTTAAAAAGACTGGACACCATTATTTTTTATGAATAATGCACA
TAACCATTTTAAAAAACATTTTACTTGGCCGGGCACGGTGGCTCACACCTGTAATCCCAG
CACTTTGGGAGGCCAAGGCGGGGTGGATCACAAGGTCAGGAGTTCAAGACCAACGTGACG
TGACCAATATGGTGAAACCCCATCTCTACTAAAAATACAAAAATTAGCTGGGCGTGGTGG
CACGTGCCTGTAATCCCAGCTACTTGGGAAGCTGAGGCAGGAGAATTGCTTGAACCCGGG
AGGCAGAGGATGCAGTGAGCCGAGATTGCGCCACCGCACTCCAGCCTGGGTGACAGAGCA
AGACTCCATCTCAAAGAAACAAACAAAACCACTTTACTTACTGTATTGTGACATGTGTAT
TAAGCATGAACCCCTATCAGTACTCCTAAACTGTAAACAGTAAGGAACTAAGGTGTCAAA
AGAAACACATTAGGGATCATATTCATAGACAAAAACCTTTACATTTTCTTATTGCATTTA
TACAATCAACACACAATAAGCAAACCTGAATCCTTTCTCAGCAAACATTTTTGCCTATAC
TGCCCTCCCTTTATCTTTCCGCGCCTTTATCTTTTGTTTGACTTTCACCAATTCCGCCTC
GATAGCTCTATCCTCCTGGGGCACCCNCCTGAGCTTTCTTAAGAACACCCCACGCTCGAC
CACTTTTCTTTTATCCCTTGCATCCCTTGACCCGCGCGGCCACCGCTCCGGCCTCCGACG
GGGCTCATCCAATAGCCTTTAAACTACGGTAACTGTTACCGGCCAATTGAAAGTTTGGCG
GACAGGCCCAACTCCCGGCCCACCTCAACCATCGTGTTGCCCTGCCCATATGGCGGCCCA
CAAACGCTCCCCCGGTCCTCTTCGCAATCCCCCGTTCCTT

Restriction Sites: NotI-NotI

ACCN: NM_005038

Insert Size: 1880 bp

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).

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_005038.2, NP_005029.1
RefSeq Size:	1851 bp
RefSeq ORF:	1113 bp
Locus ID:	5481
UniProt ID:	Q08752
Cytogenetics:	4q32.1
Domains:	TPR, pro_isomerase
Protein Families:	Stem cell - Pluripotency
Protein Pathways:	Calcium signaling pathway, Huntington's disease, Parkinson's disease
Gene Summary:	The protein encoded by this gene is a member of the peptidyl-prolyl cis-trans isomerase (PPIase) family. PPIases catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerate the folding of proteins. This protein has been shown to possess PPIase activity and, similar to other family members, can bind to the immunosuppressant cyclosporin A. [provided by RefSeq, Jul 2008]