

Product datasheet for **SC321808**

Dihydropyrimidinase (DPYS) (NM_001385) Human Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Dihydropyrimidinase (DPYS) (NM_001385) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Dihydropyrimidinase |
| Synonyms: | DHP; DHPase |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC (PS100020) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_001385.1
 ACCTTG CAGGAGGGCACCCCAAGCCCGCCCGCCCAACCCAGCCCTGCGCGCAGC
 CCGGGCCGAGTAGGACCCCGCGGCCCTCGCCATGGCGGCGCCCTCGCGGCTCTGATC
 CGCGGGGTGCGGTGGTCAACGATGACTTCTCGGAGGTGGCCGACGTGCTGGTGGAGGAC
 GGCGTGGTGGGGCACTCGGGCACGACCTGCTGCCTCCCGGGGGCGCTCTGCGGGGTG
 CGGGTCTCGACGCCCGGCAAGCTCGTCTGCCGGAGGCATCGACACACACACGCAC
 ATGCAGTTCCTTTCATGGGCTCGCGGTCCATCGACGACTTCCACCAGGGCACCAAGGCT
 GCTCTCTCAGGAGGCACCACCATGATTATTGATTTGCGCCATTCTCAGAAAGGTGGCTCC
 CTCATTGAGGCCTTCGAGACCTGGCGAAGCTGGGCTGATCCCAAAGTTTCTGCGACTAC
 AGCCTTTCATGTGGCAGTGACGTGGTGGAGTGACCAGGTTAAAGAAGAAATGAAAACTCTT
 GTGCAAGATAAAGGTGTTAACTCTTTCAAGATGTTTATGGCCTATAAAGATCTGTACATG
 GTGACAGACCTGGAGCTGTACGAAGCCTTCTCTCGGTGCAAGGAAATGGAGCAATTGCC
 CAGGTCCATGCGGAAAATGGAGACTTAATTGCAGAGGGAGCAAAGAAGATGTTGGCTCTG
 GGGATAACAGGCCCTGAGGGCCACGAGCTGTGCCGCCAGAGGCAGTGGAGGCAGAGGCC
 ACGCTGAGAGCCATCACCATAGCCAGCGCTGTGAAGTGTCTCTACATTGTGCATGTG
 ATGAGCAAGTCTGCAGCTAAGGTGATAGCGGATGCAAGGAGAGATGGGAAGGTGGTCTAT
 GGTGAACCCATAGCAGCCAGTCTTGGCACAGATGGCACTCACTACTGGAATAAAGAAATGG
 CACCATGCAGCCACCATGTCATGGGTCCACCTTTGCGACCAGACCCCTCAACACCCGAC
 TTCCTCATGAATCTGTTGGCTAATGATGATCTAACCACAACAGGGACTGATAACTGCACT
 TTCAACACCTGCCAGAAAGCTCTTGGGAAGGATGATTTTACCAAGATCCCAATGGGGTG
 AATGGTGTGAAGATCGGATGTCGTAATATGGGAAAAAGGCGTGCATAGTGGTAAAAATG
 GATGAAAAACAGATTTGTGGCAGTTACCAGCACAATGCAGCCAAAATTTTAACTCTAT
 CCAAGAAAAGGAAGAATAGCTGTAGGATCAGATGCTGACATTGTTATTTGGGACCCAAA
 GGCACAAGGACTATCTCAGCAAAAACCTCATCAGGCTGTTAACTTCAACATTTTCGAG
 GGCATGGTTTGCACGGGTGCCCTTGTGACTATTTCAAGAGGCAAAGTGGTATATGAA
 GCCGGAGTGTTCAAGTGTACGGCAGGAGATGGGAAGTTTATTCCTCGAAAACCATTTGCT
 GAATATATTTACAAACGAATAAAGCAGCGAGACCGGACTTGCACACCTACCCCTGTGGAG
 CGTGCACCCTATAAGGGAGAAGTCGCCCACTGAAATCCAGAGTGACAAAAGAAGATGCC
 ACAGCAGGACCAGGAAACAGGCCACCCCTGAAGTGTGTGCCATCGGTAAAAAATCAG
 AGGAAAGGAGGCTGCCATTCCCTTACAGCCAAACATTGTCAACCCATGGAGAAGCAGGC
 CTTATTTCACTCCCTAGGATCCTTTAGAAAAAATTCACCACTATAGGCTTCTTTGATTTT
 CTTTCAGAAGCAATTGCTGTCTTTCTCACTGTGTTTTTGTGCTGCATAAGATTGAAGGT
 ATAAATTTATATTATTGTGATGGAAAGGCTGTGTGGAAATTCATTGATGATACTTTAAAA
 TGTGATCTTTGCTTGTACTAGATTTCTTACTTAGAATTTTTAAAAATCATTTTCTTGTTT
 AAATAGTTTCTTTTTTAAAAAATGGTTACATTAGTTTTAAATAGCTCTGTGATTTTA
 CTTTTTATTGTAATTAATAAACATTGAGATCTTCATTTTATACCTTAAAAAAAAAAAAAA
 AA
 A

Restriction Sites: Please inquire

ACCN: NM_001385

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

| | |
|-------------------------------|---|
| 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: | <ol style="list-style-type: none">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: | <u>NM_001385.1</u> , <u>NP_001376.1</u> |
| RefSeq Size: | 2123 bp |
| RefSeq ORF: | 1560 bp |
| Locus ID: | 1807 |
| UniProt ID: | <u>Q14117</u> |
| Cytogenetics: | 8q22.3 |
| Domains: | Amidohydro_1 |
| Protein Families: | Druggable Genome |
| Protein Pathways: | beta-Alanine metabolism, Drug metabolism - other enzymes, Metabolic pathways, Pantothenate and CoA biosynthesis, Pyrimidine metabolism |
| Gene Summary: | Dihydropyrimidinase catalyzes the conversion of 5,6-dihydrouracil to 3-ureidopropionate in pyrimidine metabolism. Dihydropyrimidinase is expressed at a high level in liver and kidney as a major 2.5-kb transcript and a minor 3.8-kb transcript. Defects in the DPYS gene are linked to dihydropyrimidinuria. [provided by RefSeq, Jul 2008] |