

Product datasheet for SC319379

UROS (NM_000375) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: UROS (NM_000375) Human Untagged Clone
Tag: Tag Free
Symbol: UROS
Synonyms: UROIIIIS
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_000375.1
 CCCACGCGACCCAGTCTGAGGTGCGGGTCTGGGGCCCGCGGGTGGCCGCCGCG
 CCCCTCGGGCTGGTGGGGAGGGGGCTTCCGCCCTGTTGTATTGCTCCTGCAGCCTTT
 TCGCTGGGACTGCGCGACACCGCCCCCGACCGGGTGCCCGCTGTGTGCCAGGCCGGGTG
 CTGGGCACGGTCCCGCAGTGCCCTATAAGGACTGCCAGGCAATAATGAAGTTCTTTTA
 CTGAAGGATGCGAAGGAAGATGACTGTGGCCAGGATCCGTATATCAGGGAATTAGGATTA
 TATGGACTTGAAGCCACTTTGATCCCTGTTTTATCGTTTGAGTTTTGTCTTTCCAGT
 TTCTCTGAGAAGCTTTCTCATCCTGAAGATTACGGGGACTCATTTTTACCAGCCCCAGA
 GCAGTGAAGCAGCAGAGTTATGTTTGGAGCAAAACAATAAACTGAAGTCTGGGAAAGG
 TCTCTGAAAGAAAAATGGAATGCCAAGTCAGTGTATGTGGTTGGAATGCTACTGCTTCT
 CTAGTGAGTAAAATTGGCCTGGATACAGAAGGAGAAACCTGTGGAATGCAGAAAAGCTT
 GCAGAATATATTTGTTCCAGGGAGTCTCAGCACTGCCTCTTCTATTTCCCTGTGGAAC
 CTCAAAAGAGAAATCCTGCCAAAAGCGCTCAAGGACAAAGGGATTGCCATGGAAAGCATA
 ACTGTGTATCAGACAGTTGCACACCCAGGAATCCAAGGGAACCTGAACAGCTACTATTCC
 CAGCAGGGGGTTCCAGCCAGCATCACATTTTTTAGTCCCTCTGGCCTCACATACAGTCTC
 AAGCACATTGAGGAGTTATCTGGTGACAATATCGATCAAATTAAGTTTGCAGCCATCGGC
 CCCACTACGGCTCGCGCGCTGGCCGCCAGGGCCTTCTGTAAGTGCAGTGCAGAGAGC
 CCCACGCCACAAGCCCTGGCCACTGGCATCAGGAAGGCTCTCCAGCCCCATGGCTGCTGC
 TGAGTCAGCCACCTAGCGCTGGCCCCATGCAGCCTCCCTGGGCTGGGCTGGCTTGGATG
 GAGCCAGGCATCGCAAGGGCTCTCGGGAGCTGCTGCCGTGAGACTCCTGCCTCAAGCCT
 GAGTGGAAAGCACCTGAGGACCGGGATCGGGACCTGACCTGGGGCTGGCCTCAGGCCAC
 GTGCACGTGACTGCCCTCTGTGGAAGCCAGCTTAAACCCTAGCCCTGTGAGAGCTTCTGT
 TGCCCAGCAGGAAGGAAGTCAAAATAAACCACTGACTACCTGTGCTTACTGAAAAAAA
 AAAAAAAAAA

Restriction Sites: Please inquire



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|-------------------------------|---|
| ACCN: | NM_000375 |
| 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: | NM_000375.1 , NP_000366.1 |
| RefSeq Size: | 1279 bp |
| RefSeq ORF: | 798 bp |
| Locus ID: | 7390 |
| UniProt ID: | P10746 |
| Cytogenetics: | 10q26.2 |
| Domains: | HEM4 |
| Protein Families: | Druggable Genome |
| Protein Pathways: | Metabolic pathways, Porphyrin and chlorophyll metabolism |
| Gene Summary: | The protein encoded by this gene catalyzes the fourth step of porphyrin biosynthesis in the heme biosynthetic pathway. Defects in this gene cause congenital erythropoietic porphyria (Gunther's disease). [provided by RefSeq, Jul 2008] |