

Product datasheet for **MC225974**

Gm44504 (NM_001278272) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gm44504 (NM_001278272) Mouse Untagged Clone
Tag: Tag Free
Symbol: Gm44504
Synonyms: Gm38419; Slc10a3-ubl4; SlcUbl4a; Tu11
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225974 representing NM_001278272
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCAGCTGACCGTGAAGGCGCTCCAGGGCCGGAATGTAGCCTACAGGTGGCGGAGGACGAGCTAGTGT
CTACACTGAAGCACCTGGTCTCGGATAAGCTGAATGTCCTGTGCGCCAGCAACGCTCTGCTTCAAGGG
CAAGGCCCTAGCAGATGAAAAACGACTGTCAGATTACAACATTGGGCCAATTCTAAGCTCAACCTAGTT
GTTAAGCCTTTGGAGAAGGTGCTACTGGAAGAAGGGTCTGCCACAGACTGGTCGACTCCCAGCCACCC
CCATCTGGCAGCTGATCTCCAAAGTCTGGCCCGTCACTTCAGGTAGCAGATGCCAGCAGGGTCTGGGA
ACAACCTACAGAGGGATTATGACAGGTCCTTGAGCCGCTAACACTGGATGACATCGAACGTTTGGCCAGC
CGCTTTCTACACCCTGAAGTGACTGAGGCTATGGAAAAAGGGTTCTGCAAA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001278272
Insert Size: 474 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).



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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001278272.1 , NP_001265201.1
RefSeq Size:	1151 bp
RefSeq ORF:	474 bp
Locus ID:	100169864
UniProt ID:	P21126
Cytogenetics:	X
Gene Summary:	<p>This locus represents naturally occurring readthrough transcription between the neighboring Slc10a3 (solute carrier family 10 (sodium/bile acid cotransporter family), member 3) and Ubl4 (ubiquitin-like 4) genes on chromosome X. While some readthrough transcripts encode a protein that is identical to the downstream gene product, at least one readthrough transcript appears to be a candidate for nonsense-mediated mRNA decay (NMD), and is unlikely to produce a protein product. [provided by RefSeq, May 2013]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein. Sequence Note: The RefSeq transcript was derived from the reference genome assembly. The genomic coordinates were determined from transcript alignments.</p>