

Product datasheet for **MR228185**

Gm44504 (NM_001278272) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Gm44504
Synonyms:	Gm38419; Slc10a3-ubl4; SlcUbl4a; Tull
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR228185 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAGCTGACCGTGAAGGCGCTCCAGGGCCGGAATGTAGCCTACAGGTGGCGGAGGACGAGCTAGTGT
CTACACTGAAGCACCTGGTCTCGGATAAGCTGAATGTCCCTGTGCGCCAGCAACGTCTGCTGTTCAAGGG
CAAGGCCCTAGCAGATGAAAAACGACTGTCAGATTACAACATTGGGCCCAATTCTAAGCTCAACCTAGTT
GTTAAGCCTTTGGAGAAGGTGCTACTGGAAGAAGGGTCTGCCACAGACTGGTCGACTCCCAGCCACCC
CCATCTGGCAGCTGATCTCCAAAGTCTGGCCCGTCACTTCAGTGTAGCAGATGCCAGCAGGGTCTCTGGA
ACAACCTACAGAGGGATTATGACAGGTCCTTGAGCCGCCTAACACTGGATGACATCGAACGTTTGCCAGC
CGCTTCTACACCCTGAAGTACTGAGGCTATGAAAAAGGGTTCTGCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228185 protein sequence
Red=Cloning site Green=Tags(s)

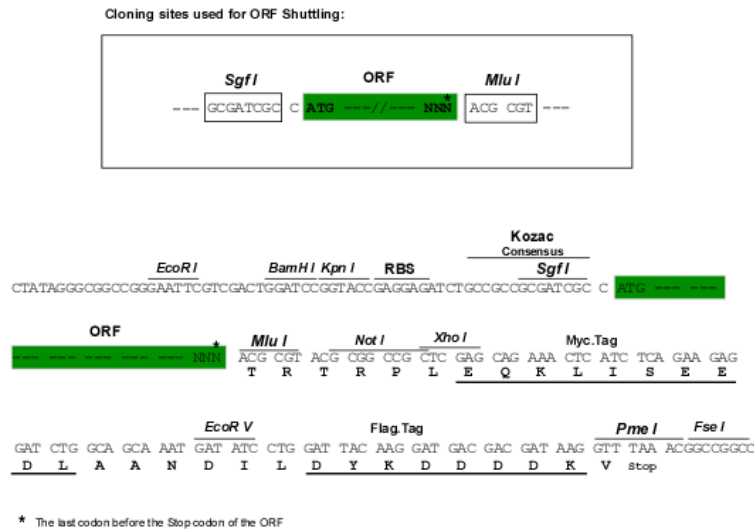
MQLTVKALQGRCSLQVAEDELVSTLKLHVSDDLNPVVRQQRLLFKGKALADEKRLSDYNIGPNSKLNLY
VKPLEKVLLEEGSAHRLVDSPTAPIWQLISKVLARHFSVADASRVLEQLQRDYDRSL SRL TLDDIERLAS
RFLHPEVTEAMEKGFCK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_001278272

ORF Size: 471 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

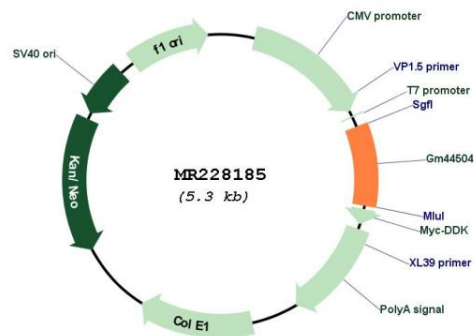
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001278272.1](#), [NP_001265201.1](#)

RefSeq Size: 1151 bp
RefSeq ORF: 474 bp
Locus ID: 100169864
UniProt ID: [P21126](#)
Cytogenetics: X
MW: 17.8 kDa

Gene Summary: 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]

Product images:



Circular map for MR228185