

Product datasheet for **MR228143**

Gm44501 (NM_001287195) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gm44501 (NM_001287195) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gm44501
Synonyms: Esp6-esp5; Esp6Esp5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR228143 representing NM_001287195
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGACTCCTTTACCAGTGATGTTTTTCTCCTAACTCTGCTGTACCATCAATGCACACTGATGGAAGGG
TACTGACACAGACTCAAATGAATCCACCAATCTTCTAATCATAAGAAAAATCACAAGGCTGTCTTGA
CAAGACTGACGCCAAGACAAAGGAAATAAACAGGCCCCAGAGAAAGTATTCTGTGCCTCCATTGATGAT
CAACATTAGTTGAAGACTTGCCACTGCTAATCAACACAAGTTAATCCTGTCTAAAAACAAGATATCCC
AGAGCAACTGTTGTACTCAGAAGCATCAAGTGGACCCAGTAACTTGAATCATATGCCAGTAGACTTCA
AAGGACCAGAGTGAGGCACCAAGAAGACAGTTCTAAACGCAAAGTCATCGTGGGTTTGGATGAATTCCTTG
GATTTAGTGAAAAAGATCTTGATTTCCCAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228143 representing NM_001287195
Red=Cloning site Green=Tags(s)

MTPLPVMFFLLTLLPSMHTDGRVLTQTQNESTKSSNHKKNHKAVLDKTDQDKGNKQAPEKVFCASIDD
 QTLVEDLATANQHKLILSKNKISQSNCTQKHQVDPVNLNHMASRLQRTRVRHQEDSSKRKVIVGLDEFL
 DLVKKILISH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI


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Cloning Scheme:


ACCN: NM_001287195

ORF Size: 450 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_001287195.1](#), [NP_001274124.1](#)

RefSeq Size: 1229 bp

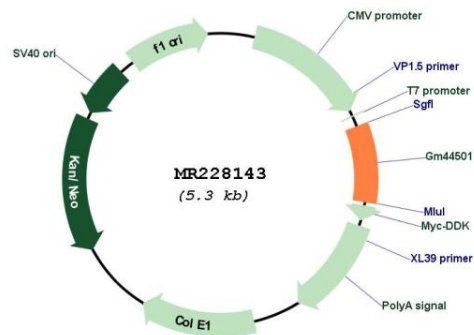
RefSeq ORF: 453 bp

Locus ID: 102577428

Cytogenetics: 17
MW: 17.5 kDa

Gene Summary: This locus represents naturally occurring readthrough transcription between the neighboring Esp6 (exocrine gland secreted peptide 6) and Esp5 (exocrine gland secreted peptide 5) genes on chromosome 17. The readthrough transcript encodes a protein that shares sequence identity with the downstream gene product, but is shorter at its N-terminus. [provided by RefSeq, Dec 2013]

Product images:



Circular map for MR228143