

Product datasheet for MC207901

Mettl8 (NM_145524) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mettl8 (NM_145524) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mettl8
Synonyms:	BC004636; T; Tip
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC207901 representing NM_145524 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAATGTGATTGGAGAAGTTGCATTTGCCGACTGAGGCAGGGGAAGGTACCACACCGATGCCAGAGTG
 GCGTCCACCCGGTAGCCCTCTGGGTCGAGGATTTAACTGACCCCGCCAAAGTTTTGAACACAACAT
 GTGGGATCACATGCAGTGGTCTAAAGAAGAAGAAGACGCAGCTAGAAAAAGGTAGAGGAACTCAGCC
 ACACGAGTCGCTCCAGAAGAGCAAGTTAAGTTTAAAAGTGACGCTAACAAATACTGGGATATATTTTACC
 AGACCCATAAGAATAAGTTTTCAAGAATCGTAATTGGCTGTTGAGGGAATTTCTGAAATCCTTCCTGT
 TAATCAAAACACTAAAGAGAAAGTGGGAGAATCATCCTGGGATCAAGTCGGAAGCAGCATCTCTAGACA
 CAAGGAACAGAAACCCATTGTCAAGAGAGTTTTGTCTCGCCAGAACCTGGGAGCAGAGGACGGTCTGCTC
 CTGACCCCGACTTGGAAGAATACAGCAAAGGACCTGGGAAGACAGAGCCGTTTCTGGTAGCAATGCCAC
 TTTTCGAATACTAGAGGTTGGCTGTGGTCTGGAATAGCGTGTTCGAATCCTGAACACCTTGCAAGAC
 ATTCCAGGATCCTTTCTACTGCTGCGACTTTGCCTCTGAAGCTGTGGAACCTGTAAAGTCCCACGAGT
 CCTACAGCGAGGCCAGTGTCTGCCTTTATTCATGACGTGTGTGACGACGGCTTAGCCTACCCTTTCCC
 AGATGGGATCCTGGATGTCGTTCTCTTGTCTTGTGCTCTCATCTATCCACCCTGACAGGATGCAAGCT
 GTTGCCACCGACTGTCCAGTTGCTGAAGCCCGAGGAATGCTATTGTTTCGGGATCATGGAAGATACG
 ATAATGCTCAGCTTCGTTTTAAGAAAGGGCGTTGTTTATCTGAAAATTTTATGTCCGAGGAGATGGTAC
 CAGAGCTTATTTCTTTACAAAAGGGGAAATCCGCCGTATGTTCTGCGAGGCTGGATTACACGAAAAGCAA
 AATCTGTTGATCATCGCTTGCAAGTGAACAGGAAAAAGCAAGTGCAGATGCACCGAGTGTGGATTCAAG
 GAAAATTCAGAAACCATCGCCCTGGACTCCACAGAGTGGAAT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_145524
Insert Size:	1167 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).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_145524.3, NP_663499.2</u>
RefSeq Size:	2370 bp
RefSeq ORF:	1167 bp
Locus ID:	228019
UniProt ID:	<u>A2AUU0</u>
Cytogenetics:	2 C2
Gene Summary:	<p>This locus encodes a member of the methyltransferase family, and is involved in chromatin remodeling. Transcripts from this locus can be induced or inhibited by cell stretch and affect cell differentiation in the myogenic or adipogenic pathways. Multiple transcript variants encoding different isoforms have been found for this gene. Additional splice variants have been described in the literature but they meet nonsense-mediated decay (NMD) criteria and are likely to be degraded as soon as they are transcribed. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (a), also known as TIP-4, represents the longer transcript and encodes the longer isoform (a). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>