

Product datasheet for MC202817

Ckmt1 (NM_009897) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ckmt1 (NM_009897) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ckmt1
Synonyms: mi-CK; Mt-CK; ScCKmit; UbCKmit
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC025976 sequence for NM_009897
 CCACGCGTCCGGAAGAAGAACTCACCATTCCCTGCCCAACCCAGCCCCACACCCAGAGCAATCAACAG
 TTCTGACTTGGCCAGATCCTGCTCTGAATCTTTGTAGCCGCATCCCCAAGCCATGGCTGGTCCCTTCT
 CCCGCTGCTGTCTGCCGCCCTGGACTCAGGCTCCTGGCTTTGGCTGGAGCTGGGTCTCTACCCGCGG
 GATTCTGCTCCGCCGGAATCTGTAGGACTGCCGCTGCTGAACGGAGGAGACTGTATCCCCGAGCGCT
 GAGTACCCAGACCTCCGAAAGCACAACAACTGCATGGCCAGTCACCTGACCCAGCAGTCTATGCACGGC
 TCTGCGACAAGACCACACCCACTGGTTGGACACTAGATCAGTGCATCCAGACTGGAGTGGACAACCCCTGG
 CCACCCCTTCATCAAGACTGTGGGCATGGTGGCTGGAGATGAGGAGACCTATGAGGTATTTGCTGAACTG
 TTTGACCTGTGATCCAAGAGCGGCATAATGGATATGACCCAGAACAATGAAGCACACCCACTGACCTTG
 ATGCCAGTAAAAATTCGTTCTGGCTACTTTGATGAGAGGTATGTATTGCTTCAAGAGTCAGAACTGGCCG
 AAGTATCAGGGGACTCAGTCTCCCTCCAGCCTGCACTCGGGCAGAGCGAAGAGAGGTAGAACGTGTTGTG
 GTGGATGCTCTGAGTGGCTGAAGGGTGACCTGGCTGGACGGTACTATAGGCTCAGTGAGATGACCGAGG
 CCGAACAGCAGCAGCTTATTGATGACCATTTTCTGTTTGATAAACCTGTGTCCCCATTGCTGACTGCAGC
 AGGAATGGCTCGAGACTGGCCTGATGCTCGAGGGATCTGGCACAACAATGAGAAGAGTTTCTTGATCTGG
 GTGAATGAGGAGGACCACACACGGGTACTCTATGGAGAAAGCGGCAACATGAAGAGAGTGTTTGAAA
 GATTCTGCCGGGGCTCAAAGAGGTGGAGAAGCTGATCCAGGAACGAGGCTGGGAGTTTATGTGGAATGA
 GCGTTTAGGCTACATCTTGACCTGTCCATCTAACCTGGGCACTGGACTTCGGGCAGGAGTCCACATCAA
 CTGCCACTGCTGAGCAAAGATAACCGCTTCCCAAAGATCCTGGAGAACCTAAGACTGCAAAGCGTGGAA
 CTGGAGGAGTGGACACGGCTGCCACAGGCAGCGCTTTGACATCTAATTTGGATCGACTTGGCAAGTC
 AGAGGTGGAGCTGGTGCAGCTCGTCATCGATGGGGTGAACATATTTGATTGACTGTGAACGGCGTCTGGAG
 AGAGGACAGGATATTCGAATCCCTCCACCTCTTGTCCACAGCAAACATTAACCTCCCATCCCCAGCGGAT
 GAGTCAAGACCCCGAGACTTCTGCATATTTAACAGTGGCCTAGTCTACTTGCCTGGACCTGCCTCTCT
 CCCTGTCTAGTAAAGACTCCACATTAATAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_009897



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|-------------------------------|---|
| Insert Size: | 1257 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. |
| RefSeq: | BC025976 , AAH25976 |
| RefSeq Size: | 1516 bp |
| RefSeq ORF: | 1257 bp |
| Locus ID: | 12716 |
| UniProt ID: | P30275 |
| Cytogenetics: | 2 60.37 cM |
| Gene Summary: | <p>Reversibly catalyzes the transfer of phosphate between ATP and various phosphogens (e.g. creatine phosphate). Creatine kinase isoenzymes play a central role in energy transduction in tissues with large, fluctuating energy demands, such as skeletal muscle, heart, brain and spermatozoa.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 both encode the same protein. 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 alignments.</p> |