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Product datasheet for MC227127

Tssk4 (NM_001253888) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tssk4 (NM_001253888) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tssk4
Synonyms:	1700020B19Rik; 4933424F08Rik; TSK-4; TSSK-4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC227127 representing NM_001253888 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGGGAAGGGAGACACCTCGGAAACAGCATCAGCCACCCCAGCCTATCGCTCTGTCATGGAGGAGTATG GTTATGAGGTGGGCAAGATCATTGGCCATGGCTCCTATGGAACTGTCTATGAGGCATACTACACAAAGCA GAAGGTCATGGTGGCTGTCAAGATCATCTCGAAGAAGAAGGCCTCTGAAGACTATCTCAACAAGTTCCTA CCACGTGAGATACAGGTAATGAAAGTCCTACGGCACAAGTACCTCATCAACTTCTATCAGGCCATTGAGA CCACATCCCGAGTATACATCATTTTGGAGCTGGCTCAGGGCGGTGATGTCCTCGAATGGATCCAACGATA TGGGGCCTGTGCTGAGACCCTTGCTGGCAAGTGGTTCTCCCAGATGGCTTTGGGCATCGCCTACCTGCAC AGCAAGGGCATCGTGCACCGCCTGACCCCCAGCCTTTCTGCTGCTGGTAGGGATTTAAAGTTGGAGAACC TGTTGCTGGACAAGCGGGAGAATGTGAAGATATCGGACTTTGGCTTCGCCAAGATGGTGCCTTCTAGCCA GCCTGTGCATAGTAGCCCTTCTTACCGCCAAATGAACAGCCTTTCCCACCTCAGCCAGACCTACTGTGGC AGCTTTGCTTACGCCTGCCCGGAGATCTTGCTAGGCTTGCCCTACAACCCTTTCCTGTCTGACACCTGGA GCATGGGCGTCATCCTCTACACTCTAGTGGTTGCACGGCTGCCCTTTGATGACACCAATCTCAAGAAGCT GCTGAGAGAAACCCAGAAGGAGGTCACTTTCCCAGCTAACTTGACCATCTCCCAGGAGTGCAAGAACCTG ATCCTCCAGCTGCTACGCCAATCTACCAAGCGTGCCACCATCCTAGATGTCCTCAGGGACCCCTGGATGC TCAAGTTCCAGCCTGAGCAACCTTCGAATGAAATCAGGCTGCTCGAGGCCATGTACCAACCCACCAGCTC TGCTAAACGGCACCAGTCCTTGGAAATCACAACCTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001253888

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Insert Size:	1017 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).
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:	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_001253888.1, NP_001240817.1
RefSeq Size:	1273 bp
RefSeq ORF:	1017 bp
Locus ID:	71099
UniProt ID:	Q9D411
Cytogenetics:	14 C3
Gene Summary:	Isoform 1: Serine/threonine kinase which is involved in male germ cell development and in mature sperm function (PubMed:17927909, PubMed:23599433, PubMed:23054012, PubMed:25361759, PubMed:26940607). May be involved in the Cre/Creb signaling pathway (PubMed:26940607). Phosphorylates CREB1 on 'Ser-133' in vitro and can stimulate Cre/Creb pathway in cells (By similarity). Phosphorylates CREM on 'Ser-116' in vitro (PubMed:26940607). Phosphorylates ODF2 on 'Ser-95' (PubMed:26961893).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) uses an alternate in-frame splice site in the coding region, compared to variant 1. This results in a longer protein (isoform 3), compared to isoform 1. 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.