

Product datasheet for **MC203625**

Csk (NM_007783) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Csk (NM_007783) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Csk
Synonyms:	AW212630; p50CSK
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC052006
 CTCCCCCGGACTCCCTCCCGCCCCCTTCCCCCGCCTTTCTTCCCTCCCCGCCTGGGGCTGCGCGGCAG
 TCCCCCTGCCTGTCTGGCTCCCCCTCCCTCTCTTTTCGCATCCATACACCTCTTTGTACCGCACCCCTG
 GGGACCCTGTGCCCTCCCTCCCTTGGCCGCATGGACTGTCTGCAGGCCACTGATGCCGCCCTCG
 GTGAGGAGGCCTGGACCGCAGTCCCCCAGAGACTCTCATGGTACCAAGTCACAGATCGGCCTTCTGT
 AGCACGGGGACGCCAGACCGCAGAAGATGTCGGCAATACAGGCCCTGGCCATCCGGTACAGAATGTAT
 TGCCAAGTACAACCTCCATGGCACTGCTGAGCAAGACCTCCCTTCTGCAAAGGAGATGTGCTCACCATC
 GTGGCTGTCAACCAAGGACCCCAACTGGTACAAAGCCAAAAACAAAGTGGGCCGTGAGGGCATCATCCAG
 CCAACTATGTCCAGAAGCGTGAGGGTGTGAAGGCAGGCACCAAACTCAGCCTTATGCCCTGGTTCCACGG
 CAAGATCACACGGGAGCAGGCCGAGCGCTTCTTACCACCAGAGACAGGCCTGTTCTCGTGCGGGAA
 AGCACCAACTACCCTGGAGACTACACACTGTGTGTGAGCTGTGAGGGCAAGGTGGAGCACTACCGCATCA
 TGTATCATGCGAGCAAGCTGAGCATTGATGAGGAGGTGTACTTTGAGAACCTCATGCAGCTGGTGGAGCA
 CTACACCACAGATGCCGATGGACTCTGCACTCGCCTCATCAAACCAAGGTGATGGAGGGCACCGTGGCG
 GCCCAGGATGAGTTCTACCGCAGTGGCTGGCACTGAACATGAAGAACTGAAGTGTCTACAGACAATAG
 GGAAGGGGGAGTTTGGAGATGTGATGCTGGGGATTACCGGGCAACAAAGTTGCAGTCAAGTGCATCAA
 GAATGACGCAACTGCCAGGCCTTCTGGCTGAAGCCTCCGTGATGACGCAACTTCGGCAGCAACCTC
 GTCCAGCTGTGGGTGTGATTGTGGAGGAGAAGGGTGGGCTCTACATCGTCACAGAGTACATGGCCAAGG
 GGAGTTTGGTGGACTATCTTCGATCACGTGGTCTGTTCCGGTCTAGGTGGAGACTGTCTCCTCAAATTCTC
 ATTAGACGTCTGTGAAGCCATGGAGTACCTGGAGGTAACAATTTTGTGCACCGGGACTTGGCTGCCCGG
 AATGTGCTGGTGTCTGAAGACAACGTGGCCAAAGTCAGTACTTTGGCCTCACTAAGGAAGCCTCCAGCA
 CTCAGGACACAGGCAAGCTGCCAGTCAAATGGACAGCCCTGAAGCCTTGAGAGAGAAGAAATTTCCAC
 CAAGTCTGATGTGTGGAGTTTCGGAATCCTTCTCTGGAAATCTATTCTTCGGGCGAGTGCCTTACCCA
 AGAATCCCCTGAAGGACGTGTCCTCCCTGGGTGGAAAAGGGCTATAAGATGGACGCTCCGGATGGCTGCC
 CGCCCCAGTCTACGAGGTGATGAAGAAGTCTGGCACCTGGATGCTGCCACACGGCCACGTTTTTGCA
 GCTTCGGGAACAGCTCGAGCACATCAAGACCCATGAGCTGCACCTGTGACCTCTGCCTCCGCCAAGGCCA
 TGGGCCGGCAGGGACAGGCCTCGGAGATTACAGATCTGGTGCCTGTGCTTGTGGGCCCTGAACCTGA
 ACTGAGCCCCAGCCGGCTGGTAGGCCTTTCCTCTGACCTGCCTGTCCCTTCTGGCCCCCAGGGACCCC
 ACCTAGGCCTGGCATCTTCTCTCATGGACCCACCTATAGGGCTTGGGGTGGCCACTGAAGGGGCTGAGGA
 GAGGAGGCCAAGGAACAGGAGGAGTCCCGTGCAGCTGGCCTCCTCAAGGCCCCACCATTGCTTCTTAG
 AGTTTTATTCCTTTCCTTTTTTGGAGATTTTTTTCCGTGTGTTTTTTTTTATTATTTTTCAACATAAGG
 AGAAAGAAAGTACCCAGCAAATGGGCATTTTACAAGAAGTACGAATCTTATTTTTCTGTCTGCCCTG
 GGGTGGGGAGGAATCAGCCTCTCTAGGGACCCATCACCCAGCCCGTCCCCATCCCGTGTTCATG
 TCCAGTGTTCCTCGGTGCCTGTGTTTGCCTTGACCATGTTGCGCTGTTTGCATGTGCCCAAGGCAGG
 CGTCTGTGGGGGCTTGGATTTTCATGTGCTGTGGCCGCTCACCCACACCGCCTTGTGAGATGGAATCAAT
 AAACCACTCCATGAGGACACCGCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Ascl-NotI
ACCN: NM_007783
Insert Size: 1353 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	BC052006 , AAH52006
RefSeq Size:	2363 bp
RefSeq ORF:	1353 bp
Locus ID:	12988
UniProt ID:	P41241
Cytogenetics:	9 31.18 cM
Gene Summary:	<p>Non-receptor tyrosine-protein kinase that plays an important role in the regulation of cell growth, differentiation, migration and immune response. Phosphorylates tyrosine residues located in the C-terminal tails of Src-family kinases (SFKs) including LCK, SRC, HCK, FYN, LYN, CSK or YES1. Upon tail phosphorylation, Src-family members engage in intramolecular interactions between the phosphotyrosine tail and the SH2 domain that result in an inactive conformation. To inhibit SFKs, CSK is recruited to the plasma membrane via binding to transmembrane proteins or adapter proteins located near the plasma membrane. Suppresses signaling by various surface receptors, including T-cell receptor (TCR) and B-cell receptor (BCR) by phosphorylating and maintaining inactive several positive effectors such as FYN or LCK (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript. Both variants 1 and 2 encode the same protein.</p>