

Product datasheet for MR218055

Acer3 (NM_025408) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acer3 (NM_025408) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Acer3
Synonyms:	1110057L18Rik; 5430429L08Rik; AV015045; Phca
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR218055 representing NM_025408 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCCGGCTGTGGACCGCAAAGGCTATTGGGGCCCCACGACCTCCACATTGGACTGGTGTGAGGAGA
ACTATGTGGTGACCTTGTTTCGTCGCTGAGTTCTGGAATACAGTGAGTAACCTGATTATGATCATACTCC
AATTTTTGGTGCAATCAAGGCATTAGAGACAGACTGGAGAAGCGGTACATTGCTGCTTACTTAGCACTC
ACAGTGGTAGGAATGGGATCCTGGTGTTCACATGACTCTGAAATATGAAATGCAGCTGTTGGATGAGC
TCCCCATGATTTACAGCTGCTGCATATTTGTATACTGCATGTTTGAGTGTTCAGACAAAGAGCTCAAT
AAACTACCATCTCTTTTTACCCTATTTCTATACAGTTTAAACAGTAACTACGATTTACCTAAAAGTCAAA
GAACCTATATCCATCAGGTCATGTATGGAATGTTGGTCTTTACATTAGTACTTCGTTCTATTTATATTG
TTACATGGGTTTATCCATGGCTTAGAGGACTAGGTTATACATCCTTAACTGTCTTTTTATTGGGGTTTTT
ATTGTGGAATATAGATAACATCTTTTGTGATTCAGTGGGAACTTTCGAAAGAGAGTGCCCCCGTCCTA
GGTGTACAACACAGTTTCATGCATGGTGGCATATTCTAACTGGCCTGGGTTCTTATCTTCACATCCTTT
TCAGTTTATATAACAAGAACACTTACCTGAGGTACAGGCCAAAAGTGAAGTTTCTCTTTGGAATCTGGCC
AGCAGTCATGTTGAACCTCAGAGGAAGCAC

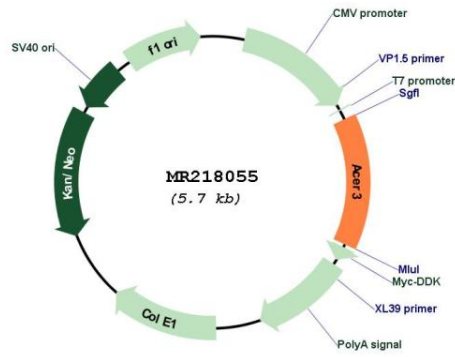
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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:	NM_025408.3
RefSeq Size:	4058 bp
RefSeq ORF:	804 bp
Locus ID:	66190
UniProt ID:	Q9D099
Cytogenetics:	7 E1
MW:	32 kDa
Gene Summary:	<p>Endoplasmic reticulum and Golgi ceramidase that catalyzes the hydrolysis of unsaturated long-chain C18:1-, C20:1- and C20:4-ceramides, dihydroceramides and phytoceramides into sphingoid bases like sphingosine and free fatty acids at alkaline pH (PubMed:26474409). Ceramides, sphingosine, and its phosphorylated form sphingosine-1-phosphate are bioactive lipids that mediate cellular signaling pathways regulating several biological processes including cell proliferation, apoptosis and differentiation (PubMed:26474409). Controls the generation of sphingosine in erythrocytes, and thereby sphingosine-1-phosphate in plasma (By similarity). Through the regulation of ceramides and sphingosine-1-phosphate homeostasis in the brain may play a role in neurons survival and function (PubMed:26474409). By regulating the levels of proinflammatory ceramides in immune cells and tissues, may modulate the inflammatory response (PubMed:26938296).[UniProtKB/Swiss-Prot Function]</p>

Product images:



Circular map for MR218055