

Product datasheet for MC208216

Casp14 (NM_009809) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Casp14 (NM_009809) Mouse Untagged Clone
Tag: Tag Free
Symbol: Casp14
Synonyms: MICE; mini-ICE
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC208216 representing NM_009809
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGTCAGAGATGAGTGATCCTCAGCCATTGCAGGAGGAAAGATATGATATGTCAGGTGCCCGCCTGG
CCCTGACGCTGTGTGTCACCAAAGCCCGGAGGGTTCCGAGGTAGACATGGAGGCCCTGGAACGCATGTT
CCGTTACCTGAAATTTGAAAGCACCATGAAGAGGGATCCACCGCCAGCAATTTCTGGAAGAGTTGGAT
GAATTTACAGCAGACCATAGATAATTGGGAAGAGCCTGTCAGCTGTGCCTTTGTGGTACTCATGGCACATG
GTGAGGAAGGCCCTCCTCAAGGGAGAAGATGAGAAGATGGTCAGACTAGAAGACCTTTTTGAAGTCTTGAA
CAACAAGAACTGCAAGGCCCTGAGAGGCAAGCCAAAGGTGACATCATCCAGGCTTGTAGAGGAGAGCAC
AGAGACCCCGGTGAGGAACTACGTGGAATGAGGAACTAGGTGGAGATGAGGAACTAGGTGGAGATGAGG
TTGCTGTGCTCAAGAACAACCCCAAAGTATCCCAACCTATACGGATACCCTCCACATCTACTCCACGGT
AGAGGGGTACCTCTCCTATAGACATGACGAGAAAGGCTCTGGCTTCATCCAGACCCTGACGGATGTGTT
ATTCATAAAAAAGGATCCATCTTAGAACTGACAGAAGAGATCACCGACTTATGGCAAACACGGAGGTGA
TGCAGGAAGGAAAACCAAGGAAAGTGAACCTGAAGTCAAAGCACCTCCGGAAGAAGCTCTATTTGCA
ATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_009809
Insert Size: 774 bp



[View online »](#)

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:	NM_009809.5 , NP_033939.1
RefSeq Size:	2346 bp
RefSeq ORF:	774 bp
Locus ID:	12365
UniProt ID:	O89094
Cytogenetics:	10 C1
Gene Summary:	Non-apoptotic caspase which is involved in epidermal differentiation. Seems to play a role in keratinocyte differentiation and is required for cornification (PubMed:18156206). Regulates maturation of the epidermis by proteolytically processing filaggrin (PubMed:21654840). In vitro is equally active on the synthetic caspase substrates WEHD-ACF and IETD-AFC. Involved in processing of prosaposin in the epidermis (PubMed:24872419). May be involved in retinal pigment epithelium cell barrier function (By similarity).[UniProtKB/Swiss-Prot Function]