

## Product datasheet for **MC225083**

### Casp8ap2 (NM\_001122978) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Casp8ap2 (NM\_001122978) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Casp8ap2  
**Synonyms:** D4Ertd659e; FLASH  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC225083 representing NM\_001122978  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCAGCAGATGATGACAATGGTGATGGAACGGGTTTGTGGTGTCTGTCTGCCTCTCCACTTAAAA  
ATAATGATGAAGGCTCATTGGACATATATGCTGGGTTGGACAGTGTCTTTCTGACAGTACTGCTAGATC  
CTGTGTGTCATTCAGAACTGTTAGATTGTATGAAGAGATCCTGACTGAAGAAGAACTGCGAAGGAG  
GCAACGTACAATGACTTGACAGATAGAATATGGGAAATGTCAGCAGCAAAATGAAAGACCTGATGAAAAGGT  
TTAAGGAAATACAGACACAGAATTGAACTTAAAAAATGAAAACCACTCTCTTAAGAAGAATATCTCAGC  
ACTTATCAAACTGCCAGAGTGGAGATAAACCGTAAGGATGAAGAGATAAATCATCTTACCACAAAGATTG  
TCTGAGTTCCACATTTTCGAAATAACCATAAACTGCAAGAACAAAAGATTACAGTCCACATCTCCCC  
ATTTGGATGATTGTTCAAAGACTGATCACGGAGTTAAAAGTGATGTTAGAAAGATGTACATCCTAACAC  
TGCACAGCCAACTTGGAAAAGGAAGGAAAATCGCATTCTGAAGCACAGAATCCTTTGCACTTGTCTACG  
GGTGTGAGAAACATTGTCCAATAATGTCTGGTCACGTTCTCCTTACCAGGTTGGAGAAGGTAACCTCAA  
ATGAGGATAATAGGAGAGGAAGGAGTGGCACTAGACATAGCCAGTGTAGCAGAGGAAGTATAGAACACA  
GAAAGACTTACATAGCAGCTGTAATGACAGTGAGCCAAGGGACAAGGAGGCTAACTCCAGACTACAAGGA  
CACCTGAGAAACATGGCAACAGTGAAGCAAGGACGGAGAGCAAAATTTAGAGAGTAAAAGCAGCACTG  
GTATGGGATATAAAAGTGAAGCAGTGCCTCTTCTGGGAAAAGAGACTTCCAGAGAAAGGCCACACAC  
TCGAGTGGAACTCAACATGACAAAAATCTAGAGAAAACAAAATGAAAGATTACAAAATATGCACAGAAAA  
GAGCTCCGCTCAGGACAAAACAGAAAGAAAAGTTGATGTGAAGTTTAAACCAGCAGGAGAGGAGCAGG  
GGCATCGGGGAAGAGTGGACCGGGCTTACCTCCTCATCCAAGAATGACGTGAAACATTACGGCTTCAA  
TAAGTATCATCCAGAAGAGAGAAGGGGAAGGGAAGATTGTAAGAGACAGAGGGATGAACAGTCAATGGC  
TTTCAAGATAGAAGATGTTTCATCTTTTCTTCAAGCAACAGAAAATAGCAAATACCCGCATCCAAGGAAG  
TTAGTGTGACACACAGTGGGAAAATACCTTTCAAAGCAGAAAAGACATAGAATGAGGACAGGAGGAA  
AAGAGAACGAGAAAACAAAGAAGAAAGTAGACATGTGAAAAGTGACAAAAATCACCTCCAGAACTTA  
CAAAGGACTCATAAAGACACTAAGAAAAGCACTGCTGATGGAAAGAGACAGACTGAGCCCAACATGGTA



[View online >](#)

AAGGTGCAGTCTCTAACAGTGAGCTTTCTAAAGGGACAGACAGTAAAGAAGGTGCAACAAAGGTGGAGAG  
TGGGCCAAATGAAGCAAAAGGCAAGGACTTAAAGTTAAGCTTCATGGAAAACTGAACCTTAACTCTTTCT  
CCTGCTAAAAAGCAGCCTGCTTGTCAAGATAACCCACATCAAAATAACTGGTGTCCCGAGCCAGTGGCA  
CGTGTGACTCACGGTCTTGGAGACGACTGGAACGGTGGCATGCCTTCTTCTGGCAGTGAACATAATAG  
AGAGGAAACCAATCAGAGTTACCAGAGCCAAAGGAGGCTCTTTGGCAACATCTCAACTCAGGATCAGC  
AATCCAGAAAAACAAATGAAGGAAGAAAAGAGGTTGTTATTTAAATCTGTTGAGAATACTGTGCCTTGTG  
AACTGCTTGTGTTGGCACGAAAATTTCCCTCCAGCACCTGTAGAAAATTGAACAAGCAAGATGCTTGTG  
TGGATCAGTGGAAAGTGGAAAGAGACCTGTGGTGGTGAAGGACAGCCGCTTCTGTGGTATGCATGTGTTA  
CCAGAACATGCTTCTGAAGATGCCAGCCAAAGATTGGACACCAAAAGACACGATGGTATAAATGCTTGTG  
CTATTTCTGAAGGTGTGAAAAACAAAGGTGATTCTTTACCAAAAAGCAGCTGCAGCCAGTGAAGCCATCT  
TGCACCTTTGGTTGAAGAACCTAGCATTCTACTAGTAACTGTTCCGGGAGACAATAATCCTAAACTTGAA  
CCTTCTCTTGAAGAGAGGCCTATAGTTGAGACTAACTCCTGTCTTTGGAGTCTTGTTTACCTAAAGAGA  
CTTTTGTACCTTACCACAGAAGACTGAGTTGATTGACCACAAAAAGAACTGGAGAATCAAACCTCAGT  
ATATCAAGATGATGATAACTCAGTTTTGAGTATTGACTTAAATAATCTGAGACCTATTCCAGACCCCATC  
AGCCCTCTGAATAGTCCAGTGGACCGGTATGCAAAGTTGTTAGCATGGAGAGCTCATGTGCAATCCAC  
TGTATGATAGCAGTCATAAAGATGAGTTCCATCCAATCAACTCTTTCTACCTCAAGAGTCAGTCTGA  
TCTAAATAAGGAAAAATGAAAAACAGTTCCCAATTTGACAAATGTTTCAAGAGCAGATTCTTGAAGCAT  
TTGCTTTTAGATGAATTAGAAGAAGGCGAAATTAGAAGTGATGATGAAGAATCTGTAGCACAAAAACGCT  
TGGAAAAGAGTGAAGACCTAGAGTTTCTGCTGAAGTGCAGCCAGGAAAAAGCAGCCAGGAAGCAGGAG  
GAGCACTGTGCATGTGCATAAAGGACAACGGGAGGACTGCTGTA AAACTCCCTCGGACAGACTCACATGG  
AGCAAAAGATCAAGTGAATCAAGACCTCCAACACCGAAAAGGAAAAAGTAAAACAATGAGCATCTCCAGCT  
TGGAAAAAATACTCCGCTTATCCTTGTACCCTTCCCTGTGGGAGGTTATGCATATGTTACGGTTGCT  
AGGTAACATGTAAGAAAAAATATATGAAATTCAGATAAAATTTTCATTGACACAATTCATAGAAAT  
ATTGAATCTGCAATTTTGAAGTTTACATCACTAGTTAAATGCCTTGATTGTCTAAGATCTGTAAGTCAG  
TAAGTACTTTACAAAAGAGTCTTTGTGAAGTTATAGAATCTAACCTTAAACAAGTGAAGAAGTGGCAT  
AGTTGACCGTTTTATTTGAACAGCAACAAACAGATATGAAAAAAAATTTGGAAGTTTGTAGATGAACAA  
CTTGATTATTTGTTTGAAGGCTTAAAAAATCCTACTAAAGTTTGTGATTCTGTAACCTTTGAAAATG  
AGAATAGTGAAGGAAAACCTTGGAAAAAATATAAAGAGAGAACCCAACATTCAAATGTCAGAAAGAAAA  
AATGGACAACAAAGAAAACGGAGAGAAAAAGTGTAAAATCAGAAAATACTGTGAATTTAAATCTTCA  
CTGGGATGTGAAAATCTGAAGAAAAACATCAGGACCAAAATAAAACCAATGCTAGTATAGTAAAGCATG  
ATGTA AAAAGAACTTTTAGCACTTGCAGTGATAATACAAAAGACGCTGAATGTAAGAGCAGTTTCTGGA  
AAAGAGCTGCCCGAGTACCCCTAGGCCAGGAAAAGATGAAGGACATACTGAGGAGGAGGCACAGGCGGCA  
CAGCATGCAAGTGCTAAGTCCGAACGGAGCTTTGAGATCCTTACTGAGCAGCAGGCATCCAGCCTTACTT  
TAACTTAGTGAGTGATGCACAGATGGGTGAGATATTTAAAAGCTTGCTACAAGTTTCTGATCTGTTGGA  
CACAAGTGGCACTGAAAAGGCAGAGTGGGAATTAAGACTCCAGAGAAACAGCTGCTGAAAAGCCTCAAG  
TGTGAATCTGCACCAGCTTGTGCAACAGAAGAGCTGGTTTCAGAGGGGGCTTCTCTTTGTCCAAAAGTGA  
TCAGTGATGATAATTGGTCTTTATATCATCTGAAAAGGGTCCATCTTTATCTTCAGGGCTTCTACTGCC  
AGTTCATCCTGATGTGTTAGATGAAAATGTATGTTTGAAGTATCTTCTAACACTGCTTTAGGTAAGAT  
AATGATACAGCTCAGAAAAGAGTAAGCCCTGCATCTCTCCATACTCTTAGAAGATCTTGCAGGCTCTT  
TAACAGTACCGTACCTCTGAAATCAGATGGCCATTTGAGTTTCTTAAAGCCAGAAGTTTGTCAACTTC  
AACTCCTGAAGAAGTTATTAGTGACATTTTAGTGAGGATGCTTTGCTTGAAGGAGGATGCATCTGAA  
CAGGACATTCATAGCTCTGGAGTCTGATAACTCAAGCAGTAAGTCAAGCTGTTTCATCATGGACAAGCC  
GGTCTGTTGCTTCAAGCTTTCAGTACCACCCTAATCTTCCCATGCATGCTGTCATAATGAAAAGTCCAA  
TGATCATTTTATTGTGAAAATACGGCGTGCAACACCATCTACCTCCCTGGCCTTAAACATGGTGTGGTA  
GCTGAGGAGTCATTGACATCTTTGCCTAGAAGTGGAAAAGAGCTGGTGTAGCAACAGAGAAAGAACCTA  
ACCTGTTTCAGAGTACAGTTTTAAAACCTGTCAAGGACTTGGAAAATACTGATAAAAATATTGATAAGAG  
TAAACTAACTCATGAAGAACAGAACTCTATAGTACAAACACAGGTTCCAGATATATGAATTTCTTAAA  
GATGCCTCAAATAAGGTGGTTTATTGTGATCAAGTGGTTGATGATTGCTTCAAGTTGCATCAAGTATGGG  
AACCAAAAGTTTCTGAGAACCTTCAAGAGTTGCCCTTCAATGGAGAAAATCCACACTCTCTTGATAATCA  
TCTTCTGATACACATAGATCTAACGAAAGATTGAGCCACTGAGACCAAAAGCTTGGGGGAGCTAATG  
GAAGTAACAGTTTTAAATGTTGATCACTTGGAAATGTTCTCAAACCAACTTAGATCAAGATGCAGAGATAA  
CATGATGTTCTTACAGCCTGATACTATAGATGCTTTTATTGATTTGACACATGATGCTTCAAGTGAGAG

TAAAAATGAAGGTAGTGAACCTGTGTTAGCTGTTGAAGGTATGGGATGCCAGGTAATATGTATAGATGAG  
GATACCAACAAAGAAGGAAAGATGGGAAGGGCAAACAGTCCTTTAGAAAAGTATTGTTGAAGAACTTGTA  
TTGATTTGACCTCAGAGTCTCCTGGCTCCTGTGAAATCAAGAGACATAATTTAAAGTCGGAGCCTCCATC  
AAAGTTGGATTGTTTAGAGTTGCCTGAACTCTGGGTAATGGTCACAAGAAGAGGAAAAACAGTCCTGGT  
GTTAGTCACTCTCTCAGAAAAACAAAGAAAGGACATAGACTTAAGTAGTGAAGAACCCAGAGACTTA  
GTCCCAATTCTGATAGAAATGGTGATGCTCACAGAAAGCAAGCGAGCAAGAAAAGAGAACCCTGCAGTAAA  
TGAAACGTCCTTGTGATCAGAGGCCAGCCAGAGGTGAAGGGTTCAACAGCAGTACTTGTGCTTCCCA  
GCAAGCCTTTCTGCAAAAATGTTATCAAAAAGAAGGGAGAAATTATAGTTTCATGGACAAGAAATGATG  
ACCGGAAATTTACTGGAATGTCAGAAAAGAATGCCGTCCTGAAAAACATTTACTTATTTAGCTGTCAA  
GCTGAATAAAAATCCAAATCAGGTTTCAGAGAGGTTCCAGCAGCTGAAAAAGCTCTTTGAGAAGTCAAAA  
TGCAGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001122978
Insert Size:	5889 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"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
RefSeq:	<a href="#">NM_001122978.2</a> , <a href="#">NP_001116450.1</a>
RefSeq Size:	6566 bp
RefSeq ORF:	5889 bp
Locus ID:	26885
UniProt ID:	<a href="#">Q9WUF3</a>
Cytogenetics:	4 14.27 cM

**Gene Summary:**

Participates in TNF-alpha-induced blockade of glucocorticoid receptor (GR) transactivation at the nuclear receptor coactivator level, upstream and independently of NF-kappa-B. Suppresses both NCOA2- and NCOA3-induced enhancement of GR transactivation (By similarity). Required for histone gene transcription and progression through S phase (By similarity). Required for histone gene transcription and S phase progression (By similarity). Involved in TNF-alpha-induced activation of NF-kappa-B via a TRAF2-dependent pathway. Acts as a downstream mediator for CASP8-induced activation of NF-kappa-B. Required for the activation of CASP8 in FAS-mediated apoptosis.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.