

Product datasheet for **SC122353**

Cezanne (OTUD7B) (BC020622) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cezanne (OTUD7B) (BC020622) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cezanne
Synonyms:	cellular zinc finger anti-NF-kappaB Cezanne; CEZANNE; OTTHUMP00000014192; OTU domain containing 7B; ZA20D1; zinc finger, A20 domain containing 1; zinc finger protein Cezanne
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for BC020622 edited
 GGCAAAAAGCCACTGGGGGAGGCCAGTCCCAGTCCAGCTCCAGCTCCAGAT
 CCCGTGCGGAGCAACAGCTGCGGCCTGAATTTTGTATCTATGTTCTACCTACATCCAGCTG
 GCTGAAAGTACTTGAGGATCACATGACCCTGGACATGGATGCTGTTCTGTGAGATTTTGT
 CCGTTCCACAGGAGCAGAGCCAGGGCTAGCGCGAGATCTCCTAGAAGGAAAGAATTGGGA
 TGTGAATGCCGCCCTCAGTGATTTTGAACAGCTACGTCAAGTCCATGCTGAAACCTACC
 CCCATCCTTTAGTGAGGGGAGTGGTCCAGGACCCCTGAAAAAGGGTTTTCTGACAG
 AGAGCCTACTCGCCTCCCCGACCCATCCTCCAGCGGCAGGATGACATCGTTCAAGAAAA
 ACGCCTGTCTAGGGGCATCTCCCACGCCAGCTCCAGCATTGTTTTCCCTGGCCCGTCCCA
 TGTCTCCTCCAATGGTGGGGTGGGGGAGCAATGAGCACCCCTGGAAATGCCCATCTG
 TGCCTTCCAGCTTCCAGATCTCACTGTATAACAATGAAGACTTCCGCAGCTTCATAGAGAG
 AGACCTCATTGAGCAGTCCATGCTGGTTGCCTTGGAAACAGGCAGGGCGTTTGAACGGTG
 GGTGAGTGGATCCCACCTCTCAGAGGCTGCTCCTTTGGCAACTACTGGAGATGGGAA
 CTGCCCTCGATGCAGCCTCCCTTGAATGTGGGGTTTTCCATGATCGGGACTTGATGCT
 GCGGAAAGCTTTGTATGCACTGATGGAGAAGGGAGTTGAGAAGGAAGCGTTGAAAAGGCG
 CTGGAGGTGGCAGACACAGCAGAATGAAGAGTCAGGGCTGGTATACAGAAAGATGA
 ATGGCAGAAGGAGTGAATGAACTGATCAAGCTTGCCTCAAGTGAACCCCGAATGCATCT
 AGGTACCAATGGAGCCAACTGTGGTGGGGTGGAGATTCTGAGGAGCCTGTATATGAGAG
 CCTTGAAGAGTTTACGTCTTTGCTTGTCTATGTGCTTAGGAGGCCCATAGTCGTGCT
 GGCAGACACCATGCTGAGGGACTCCGGAGGGGAAGCATTTGCCCTATTCCCTTTGGAGG
 AATCTATCTGCCCTTTGGAGTCCCAGCCAGCCAGTGTACCGCTCCCCTCTGGTGCTCGC
 CTATGATCAGGCCACTTTTCTGCACTCGTGTCCATGGAGCAGAAGGAGAATACCAAGGA
 ACAAGCTGTGATCCCACCTTACAGATTACAGATTAAGCTGCTGCCCTTGCACCTTTGCTGT
 GGACCTGGAAAAGGGCTGGGAGTGGGGCAAAGATGATAGTACAATGTCCGATTGGCCAG
 TGTAAATCTGTCCCTAGAGGTCAGATTGCATCTGCTGCATAGCTAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for BC020622 unedited
 GGGGACTAGGATTTGTAATACGACTTACTATAGGCGGCCGACATTGCCATTACGGCC
 GGGGGGCAAAAAGCCACTGGGGGAGGCCAGTCCCAGTCCAGTCTTTCTGGCTCCAGCTCC
 AGATCCCCTGCGGAGCAACAGCTGCGGCCTGAATTTTGTATCTATGTTCTACCTACATCCA
 GCTGGCTGAAAAGTACTTGAGGATCACATGACCCTGGACATGGATGCTGTTCTGTGAGATT
 TTGTCCGTTCCACAGGAGCAGAGCCAGGGCTAGCGCGAGATCTCCTAGAAGGAAAGAATT
 GGGATGTGAATGCCGCCCTCAGTGATTTTGAACAGCTACGTCAAGTCCATGCTGGAAACC
 TACCCCATCCTTTAGTGAGGGGAGTGGTGGCTCCAGGACCCCTGAAAAAGGGTTTTCTG
 ACAGAGAGCCTACTCGCCTCCCCGACCCATCCTCCAGCGGCAGGATGACATCGTTCAAG
 AAAACGCCTGTCTAGGGGCATCTCCCACGCCAGCTCCAGCATTGTTTTCCCTGGCCCGT
 CCCATGTCTCCTCCAATGGTGGGGTGGGGGAGCAATGAGCACCCCTGGAAATGCNCA
 TCTGTGCCTTCCAGCTTCCAGATCTCACTGTATAACAATGAAGACTTCCGCAGCTTCATAG
 AGAGAGACCTCATTGAGCAGTCCATGCTGGTTGCCTTGGAAACAGCAGGNCGTTTGAAC
 GGTGGGTGAGTGTGGATCCCACCTCTCAGAGGCTGCTTCCCTTTGGCAACTACTGGAGATG
 GGAAGTGCCTNCTGCATGCAGCCTCCCTTGGAAATGTGGGGTTTTCCATGATCCGGACTTG
 ATGCTGCGGGAAGCTTTGTATGCACTGATGGAGAAGGAGTTGAGAAGAAGCGTTGAAAAG
 CGCTGGNAGTGGCA

Restriction Sites: Please inquire
ACCN: BC020622
Insert Size: 1454 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">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:	BC020622.1 , AAH20622.1
RefSeq Size:	1454 bp
Locus ID:	56957
Cytogenetics:	1q21.2
Gene Summary:	Negative regulator of the non-canonical NF-kappa-B pathway that acts by mediating deubiquitination of TRAF3, an inhibitor of the NF-kappa-B pathway, thereby acting as a negative regulator of B-cell responses. In response to non-canonical NF-kappa-B stimuli, deubiquitinates 'Lys-48'-linked polyubiquitin chains of TRAF3, preventing TRAF3 proteolysis and over-activation of non-canonical NF-kappa-B. Negatively regulates mucosal immunity against infections (By similarity). Deubiquitinates ZAP70, and thereby regulates T cell receptor (TCR) signaling that leads to the activation of NF-kappa-B (PubMed:26903241). Plays a role in T cell homeostasis and is required for normal T cell responses, including production of IFNG and IL2 (By similarity). Mediates deubiquitination of EGFR (PubMed:22179831). Has deubiquitinating activity toward 'Lys-11', 'Lys-48' and 'Lys-63'-linked polyubiquitin chains (PubMed:27732584). Has a much higher catalytic rate with 'Lys-11'-linked polyubiquitin chains (in vitro); however the physiological significance of these data are unsure (PubMed:27732584). Hydrolyzes both linear and branched forms of polyubiquitin.[UniProtKB/Swiss-Prot Function]