

Product datasheet for **SC123524**

OTUD5 (BC028225) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OTUD5 (BC028225) Human Untagged Clone
Tag:	Tag Free
Symbol:	OTUD5
Synonyms:	deubiquinating enzyme A; DKFZp761A052; DUBA; MGC104871; OTTHUMP00000025821; OTU domain containing 5
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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Fully Sequenced ORF: >OriGene sequence for BC028225 edited
 CGGCAGTGCAGCCATGACTATACTCCCCAAAAGAAGCCGCCCTCCCGACGCCGACCC
 CGCCAACGAGCCGCCGCCCGGGCCGATGCCCCGGCGCCGCGGCGGGAGGTGT
 GGGCGTGGGCGGCGGGCACGGGCGTGGGCGGCGGCGATCGCGACCGTGACTCCGGCGT
 CGTGGGGGCCCGTCCGCGAGCTTCGCCACCGCCTCAAGGCCCGCTACCAGGACCGCCGG
 CGCTCTTCATCGCTGGGCGTGGCCGTGCCGCTGGTGCAGTGGCGGGTCCCCGGCCACA
 ACAGGCTTCTCCACCTCCTTGCGGGGGCCAGGTGGTCCCAGCGCGGTCCCCGGCGACG
 GCTGGGCGCAGCGCGGCGGGTGTGGGTGCCCGGGCGTGGTGGTGGTGTGGTGGTGC
 CGTAGGCGTGGGCGGCTGCTGCTCCGGGCTGGGCACAGCAAGCGGCGACGTCAAGCTCC
 CGGGGTTGGCGGGTGGCGGGGCGAGTCCCGAGCGTGAGGAGGTGGCGCAGGTACAA
 CAGTGAGGACGAGTATGAGGCGGCTGCAGCAGCATCGAGGCTATGGACCCTGCCACTGT
 CGAGCAGCAGGAGCATTGGTTTGAAGGCCCTACGAGACAAGAAGGGCTTCATCATCAA
 GCAGATGAAGGAGGATGGCGCTGTCTCTCCGGGCTGTAGCTGACCAGGTGTATGGAGA
 CCAGGACATGCATGAGGTTGTGCGAAAGCATTGCATGGACTATCTGATGAAGAATGCCGA
 CTACTTCTCCAATATGTACAGAGGACTTTACCACCTACATTAACAGGAAGCGGAAAAA
 CAATTGCCATGGCAACCACATTGAGATGCAGGCCATGGCAGAGATGTACAACCGTCTGT
 GGAGGTGTACCAGTACAGCACAGAACCCATCAACACATTCATGGGATACATCAAAACGA
 GGACGAACCCATTCTGTAGCTACCATCGGAATATCCAATAAATTCAGTGGTGAATCC
 TAACAAGGCCACCATTTGGTGTGGGGCTGGGCTGCCATCATTCAAACAGGGTTTGCAGA
 GCAGTCTCTGATGAAGAATGCCATAAAAACATCGGAGGAGTATGGATTGAACAGCAGAT
 GCTAGAAGACAAGAAACGGGCCACAGACTGGGAGGCCACAATGAAGCCATCGAGGAGCA
 GGTGGCTCGGGAATCCTACCTGCAGTGGTTGCGGGATCAGGAGAAACAGGCTCGCCAGGT
 CCGAGGCCCCAGCCAGCCCGGAAAGCCAGCCACATGCAGTTCCGGCCACAGCAGCAGC
 CTCCAGTGGCCTGGAGGAGTGGACTAGCCGGTCCCAGCGCAGCGGAGTTCAAGCCTCGTC
 ACCTGAGCACCTGAGCTGCATGCTGAATTGGGCATGAAGCCCCCTTCCCAGGCACTGT
 TTAGCTCTTGCCAAACCTCCTTCGCCCTGTGCGCCAGGTACAAGCAGTCAGTTCTCGGC
 AGGGGCCGACCGGCAACTTCCCCCTTGTGTCCCTTACCCTGCTTTGGAGTGGCGGGC
 CCTCATTAGCAGATGTCCCCTCTGCCTTTGGTCTGAATGACTGGGATGATGATGAGAT
 CCTAGCTTCGGTGTGCGAGTGTCCCAACAGGAATACCTAGACAGTATGAAGAAAAACAA
 AGTGCCCTGCAGGTGTTGACAAGATCCGCCATCTGTAATGTCCTTGGCACATAAAACCA
 AATGTCAGTTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for BC028225 unedited
 NNNGGTGGCGTTTGAATTTGTATACGACTCATATAGGCGGCCGCGNATTCGGGGATCGG
 CAGTGCAGCCATGACTATACTCCCCAAAAGAAGCCGCCCTCCCGACGCCGACCCCGC
 CAACGAGCCGCCGCCCGGGCCGATGCCCCGGCGCCGCGGCGGGAGGTGTGGG
 CGTGGGCGGCGGCGGCGGCGGCGTGGGCGGCGGCGATCGCGACCGTGACTCCGGCTCGT
 GGGGGCCCGTCCGCGAGCTTCGCCACCGCCTCAAGGCCCGCTACCAGGACCGCCGGGCGC
 TTTTCATCGCTGGGCGTGGCCGTGCCGCTGGTGCAGTGGCGGGTCCCCGGCCACAACA
 GGCTTCTCCACCTCCTTGCGGGGGCCAGGTGGTCCCAGCGCGGTTCCCAGCGACGCGCT
 GGGCGCAGCGGCGGGGTGTGGGTGCCCGGGCGTGGTGGTGGTGTGGTGGTGGTGGTGGT
 ANGCGTGGGCGGCTGCTGCTCCGGGCTGGGCACAGCAAGCGGCGACGTCAAGCTCCCGG
 GGTGGCGCGGTTGGCGGGGCGAGTCCCGAGCGTGAGGAGGTGGCGCAGGCTACAACAG
 TGAGGACGAGTATGAGGCGGCTGCAGCAGCATCGAGGCTATGGACCCTGCCACTGTCGA
 GCAGCAGGAGCATTGGTTTGAAGGCCCTACGAGACAAGAAGGGCTTCATCATCAAGCA
 GATGAAGGAGGATGGCGCCTGTCTCTTCCGGGCTGTAGCTGACCAGGTGTATGGAGACCA
 GGACATGCATGAGGTTGTGCGAAAGCATTGCATGGACTATCTGATGAAGAATGCCGACTA
 CTTCTNCCAATATGTCACAGAGGACTTTACCAC

Restriction Sites: Please inquire
ACCN: BC028225

Insert Size:	1777 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:	BC028225.1 , AAH28225.1
RefSeq Size:	1777 bp
Locus ID:	55593
Cytogenetics:	Xp11.23
Protein Families:	Protease
Protein Pathways:	RIG-I-like receptor signaling pathway
Gene Summary:	This gene encodes a member of the OTU (ovarian tumor) domain-containing cysteine protease superfamily. The OTU domain confers deubiquitinase activity and the encoded protein has been shown to suppress the type I interferon-dependent innate immune response by cleaving the polyubiquitin chain from an essential type I interferon adaptor protein. Cleavage results in disassociation of the adaptor protein from a downstream signaling complex and disruption of the type I interferon signaling cascade. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Oct 2008]