

## Product datasheet for RN202621

### Abhd10 (NM\_001123352) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Abhd10 (NM_001123352) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Abhd10
Synonyms:	RGD1308084
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN202621 representing NM_001123352 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGCCTGGGTACCTTGTGCGAAGTGGGGCTGGGCGGCTGTGTCTTCGGCCGGCACCGAGGCCTGA  
TCGCGTCACTTGTGCGAAGCCCCATGGGCATGGTGGCTCTCAGCTTGCAGACAAAAGACAACACTCTC  
TTTCCTTAAACGACCAGAACTTCCAAGCCTGGCTTATAAGAGGTTAAAGGGCAAAAACCCAGGAATTATC  
TTCATCCCTGGTTATCTTCTAACATGAATGGTAAAAAGGCAGTAGCGATTGAGGAGTTTGCAAATCTA  
TAGGTCACGCCTTATCAGGTTTACTACTCTGGGTTGGAAGCTCAGATGGTAACCTAGCAGAGTGCTC  
AGTGGGAAGTGGAGAAAGGATGTTCTTCCATCCTTGATGATATAGCCGAAGGACCACAGATACTGGTT  
GGATCCAGCCTTGGTGGATGGCTCATGCTGCATGCTGCAATTGCACGGCCAGAGAAGGTCATAGCTCTTA  
TTGGGATAGCTTCTGCTACAGATGGAGTGGTGACACAGTTTCACTCACTTCCCCTTGAGATGCAAAAAGGA  
AATAGAAATGAAAGGTGAATGGTCTTGCCATCAAATACAACAAAGAAGGCTATTACAGCATTCCCTTAC  
AGTTTCATTAAGAGGCGCGCATCACTGCTTGTACACAGCCCCATTCTGTGACGTGCCCTGTACGGT  
TGCTCCACGGCATGAAGGACGAAATAGTTCCTTGGCACAGATCCCTGCAGGTTGCCGACCGAGTAGTCAG  
CCCAGATGTGGATGTCATCCTCCGGAAGCACAGTGATCACAGGATGAAGGAGACAGCAGATATCCATCTG  
CTTATCTGACTATTGATGACTTGATTGACAAGCTTCACTGTGACTCAC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001123352
Insert Size:	894 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<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>
<b>RefSeq:</b>	<u><a href="#">NM_001123352.1</a></u> , <u><a href="#">NP_001116824.1</a></u>
<b>RefSeq Size:</b>	1251 bp
<b>RefSeq ORF:</b>	894 bp
<b>Locus ID:</b>	303953
<b>UniProt ID:</b>	<u><a href="#">Q5I0K5</a></u>
<b>Cytogenetics:</b>	11q21
<b>Gene Summary:</b>	Acts as an acyl-protein thioesterase that hydrolyzes fatty acids from acylated residues in proteins. Regulates the mitochondrial S-depalmitoylation of the nucleophilic active site residue of peroxiredoxin-5/PRDX5, a key antioxidant protein, therefore modulating mitochondrial antioxidant ability. Also catalyzes the deglucuronidation of mycophenolic acid acyl-glucuronide, an active metabolite of the immunosuppressant drug mycophenolate. [UniProtKB/Swiss-Prot Function]