

## Product datasheet for **RN208640**

### Ufc1 (NM\_001003709) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ufc1 (NM\_001003709) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ufc1  
**Synonyms:** ufc1-s  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >RN208640 representing NM\_001003709  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGACGAGGCCACCCGGGGTCTGTCTGAGATCCCGGTGCTGAAGACTAACGCCGACCCCGAG  
ATCGGGAATTGTGGTGCAGCGACTAAAGGAGGAATATCAGTCCCTTATCCGGTATGTCGAAAACA  
GAATGCGGACAATGATTGGTCCGACTGGAGTCCAACAAGGAAGGGACCCGGTGGTTGGAAAATGCTGG  
TACATCCAGGACTTCTCAAATACGAGTTTGACATCGAGTTTCAAATTCATACATATCCCACTACTG  
CTCCAGAAATTCAGTCCCTGAGCTGGATGGGAAAACGGCAAAGATGTACAGGGGTGGCAAATATGTCT  
AACTGATCATTTCAAACCTTTGTGGCCAGGAATGTGCCAAGTTTGGACTAGCTCACCTCATGGCCCTG  
GGGCTGGGTCCTTGGCTGGCAGTGGAAATCCCTGATCTGATTCAGAAGGGTGTGATCCAGCACAAAGAAA  
AATGCAACCA**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_001003709  
**Insert Size:** 504 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).



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<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_001003709.2</a></u> , <u><a href="#">NP_001003709.1</a></u>
<b>RefSeq Size:</b>	1069 bp
<b>RefSeq ORF:</b>	504 bp
<b>Locus ID:</b>	445268
<b>UniProt ID:</b>	<u><a href="#">Q6BBI8</a></u>
<b>Cytogenetics:</b>	13q24
<b>Gene Summary:</b>	E2-like enzyme which forms an intermediate with UFM1 via a thioester linkage. [UniProtKB/Swiss-Prot Function]