

## Product datasheet for **MC212729**

### **Bnip1 (NM\_172149) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Bnip1 (NM\_172149) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Bnip1  
**Synonyms:** 2010005M06Rik; 5930429G21Rik; Sec20  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC212729 representing NM\_172149  
**Red=Cloning site Blue=ORF Orange=Stop codon**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCGGCTCCCCAGGATGTCCACGTCCGGATCTGTAACCAAGAGATTGTCAAATTCGACCTAGAGGTGA  
AGGCGCTTATCCAGGATATTCGAGATTGTTCTGGACCTTAAGTGAGCTTACTGAACTGAATACTAAGGT  
GAAAGAAAAGTTCCAACAGTTAAAACAGAGGATCCAGGAGCTCGAACAGTCAGCAAGGGAGCAAGACAAG  
GAGTCAGAGAAGCAGCTTCTACTTCAGGAAGTGGAGAACCACAAAAAGCAGATGCTCAGCAACCAGACCT  
CATGGCGAAAAGCCAATCTTACCTGCAAGCTTGCCATCGACAACCTGGAGAAGGCAGAATCTCTGCAAGG  
AGGAGACTCCTTACGGCAAAGGAAAACCACAAAGAGAGTTTTGGCCAGACCTCCAGCTCCATCAGAG  
AGTCTCATGGGGATCAGCAGGATGATGTCACAGCAGGTGCAACAGAGCGAGGAGGCTATGCAGACTCTAG  
TCAGCTCCTCACGGACTCTCTGGATGCAAACGAAGAGTTTAAGTCCATGTCGGGAACCTCCAGTTGGG  
CCGGAAGCTCATCAAAGTACAACCGCCGAGAAGTACGGACAAGCTGCTCATCTTCTGGCCCTGGCC  
CTCTTCTCGCTACAGTCCTTTATATTGTGAAAAAGCGCCTCTTCCATTTTTG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_172149  
**Insert Size:** 687 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>	<a href="#">NM_172149.5</a> , <a href="#">NP_742161.4</a>
<b>RefSeq Size:</b>	1100 bp
<b>RefSeq ORF:</b>	687 bp
<b>Locus ID:</b>	224630
<b>UniProt ID:</b>	<a href="#">Q6QD59</a>
<b>Cytogenetics:</b>	17 A3.3
<b>Gene Summary:</b>	As part of a SNARE complex may be involved in endoplasmic reticulum membranes fusion and be required for the maintenance of endoplasmic reticulum organization. Plays also a role in apoptosis. It is for instance required for endoplasmic reticulum stress-induced apoptosis. As a substrate of RNF185 interacting with SQSTM1, might also be involved in mitochondrial autophagy.[UniProtKB/Swiss-Prot Function]