

## Product datasheet for **MC218270**

### Xpa (BC029241) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Xpa (BC029241) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Xpa  
**Synonyms:** A1573865; Xpac  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >BC029241  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGACGGCCGAGGAAAAGCAGACGTCACCTGAGCCCCTGGCCGGGACGAGCCCGCGCAGCTGCCGG  
CCGCCGTACGCGGAGCGTGGAGCGGAAGCGACAGCGGGCACTGATGCTGCGCCAGGCTCGGCTGGCTGC  
GCGGCCCTACCCCGGGCGGCCACCGAGGCGTGGCCAGTGTAAAAGCAGCTCCCAAATGATTGAC  
ACCAAAGGTGGCTTCATTTTAGAAGAGGAAGAAGAAAACACGAGATTGGAACATTGTTTCATGAACCG  
GGCCCGTCATGGAGTTTATTACACCATCTGTGAAGAATGCGGGAAAGAGTTCATGGACTCGTACCTTAT  
GAACCACTTTGATCTGCCAACGTGTGACAGCTGCAGAGATGCTGATGATAAACACAAGCTTATAACCAAG  
ACAGAAGCGAAGCAAGAGTACCTTCTGAAGGACTGTGATCTAGAGAAGAGAGAGCCAGCGCTCAGGTTCC  
TTGTGAAGAAGAACCACGCCATTCACAGTGGGGCGATATGAAGCTCTACCTAAAGCTACAGGTGGTAAA  
GCGGGCTCTTGAAGTGTGGGTAGCCAGGAAGCTCTGGAAGATGCAAAGGAAGTGAGGCAGGAAAACCGA  
GAAAAATGAAGCAGAAGAAGTTTGATAAAAAAGTAAAAGTAGGACTTGATGATGCAGTGAAGATTCTCC  
TCGATGACAAACCTCTCCACCGAATGGCTCCCTGGCATAACAGGGCCCTGGAAAAAGATCAAGTGTACT  
CACACGCACAACCACAAAACAGATTTCTTTCATTTATTCAATAAACACTTGGCAGTGTGTGCTAAATAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** BC029241  
**Insert Size:** 840 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="#">BC029241</a> , <a href="#">AAH29241</a>
<b>RefSeq Size:</b>	1234 bp
<b>RefSeq ORF:</b>	839 bp
<b>Locus ID:</b>	22590
<b>Cytogenetics:</b>	4 24.49 cM
<b>Gene Summary:</b>	Involved in DNA excision repair. Initiates repair by binding to damaged sites with various affinities, depending on the photoproduct and the transcriptional state of the region. Required for UV-induced CHEK1 phosphorylation and the recruitment of CEP164 to cyclobutane pyrimidine dimers (CPD), sites of DNA damage after UV irradiation (By similarity).[UniProtKB/Swiss-Prot Function]