

Product datasheet for **MC209661**

Xpa (NM_011728) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Xpa (NM_011728) 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: >MC209661 representing NM_011728
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGACGGCCGAGGAAAAGCAGACGTCACCTGAGCCCGTGGCCGCGGACGAGCCCGCGCAGCTGCCGG
CCGCCGTACGCGGAGCGTGGAGCGGAAGCGACAGCGGGCACTGATGCTGCGCCAGGCTCGGCTGGCTGC
GCGGCCCTACCCGCGGGCGGCCACCGAGGCGTGGCCAGTGTAAAAGCAGCTCCCAAATGATTGAC
ACCAAAGGTGGCTTCATTTTAGAAGAGGAAGAAGAGAAACACGAGATTGGAACATTGTTTATGAACAG
GGCCCGTCATGGAGTTTATTACACCATCTGTGAAGAATGCGGGAAAGAGTTCATGGACTCGTACCTTAT
GAACCACTTTGATCTGCCAACGTGTGACAGCTGCAGAGATGCTGATGATAAACACAAGCTTATAACCAAG
ACAGAAGCGAAGCAAGAGTACCTTCTGAAGGACTGTGATCTAGAGAAGAGAGAGCCAGCGCTCAGGTTCC
TTGTGAAGAAGAACCACGCCATTCACAGTGGGGCGATATGAAGCTCTACCTAAAGCTACAGGTGGTAAA
GCGGGCTCTTGAAGTGTGGGGTAGCCAGGAAGCTCTGGAAGATGCAAAGGAAGTGAGGCAGGAAAACCGA
GAAAAATGAAGCAGAAGAAGTTTGATAAAAAAGTAAAAGAATTGCGGCGAGCAATAAGAAGCAGTGTAT
GGAAAAGAGAGACAACCACTCACCAACATAAATATGGACCAGAGGAAAACCTTAGAAGATGACATGTACCG
CAAGACTTGTACCTTGTGTGGCCACGAAGTACATATGAAAAATGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_011728
Insert Size: 819 bp



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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:	NM_011728.2 , NP_035858.2
RefSeq Size:	972 bp
RefSeq ORF:	819 bp
Locus ID:	22590
UniProt ID:	Q64267
Cytogenetics:	4 24.49 cM
Gene Summary:	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]