

Product datasheet for **SC326630**

XPC (NM_001145769) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	XPC (NM_001145769) Human Untagged Clone
Tag:	Tag Free
Symbol:	XPC
Synonyms:	RAD4; XP3; XPCC
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001145769, the custom clone sequence may differ by one or more nucleotides

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ATGGCTCGGAAACGCGCGGCCGGGGAGCCGCGGGACGCGAACTGCGCAGCCAGAAA
TCCAAGGCCAAGAGCAAGGCCCGCGCTGAGGAGGAGGAGGATGCCTTTGAAGATGAG
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GGTGGGCCCAAGAAGACAAAAGGAAAAGAAAGCAGCAGCTTCCCACCTGTTCCCATTT
GAGCAGCTG

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Restriction Sites: Please inquire
ACCN: NM_001145769

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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_001145769.1, NP_001139241.1</u>
RefSeq Size:	3618 bp
RefSeq ORF:	2712 bp
Locus ID:	7508
Cytogenetics:	3p25.1
Protein Families:	Druggable Genome
Protein Pathways:	Nucleotide excision repair
Gene Summary:	<p>The protein encoded by this gene is a key component of the XPC complex, which plays an important role in the early steps of global genome nucleotide excision repair (NER). The encoded protein is important for damage sensing and DNA binding, and shows a preference for single-stranded DNA. Mutations in this gene or some other NER components can result in Xeroderma pigmentosum, a rare autosomal recessive disorder characterized by increased sensitivity to sunlight with the development of carcinomas at an early age. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Aug 2017]</p> <p>Transcript Variant: This variant (2) lacks an internal segment in the CDS, as compared to variant 1. The reading frame is not changed, and the resulting isoform (2) is shorter than isoform 1.</p>