

## Product datasheet for **RC226839L4V**

### XPC (NM\_001145769) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	XPC (NM_001145769) Human Tagged ORF Clone Lentiviral Particle
Symbol:	XPC
Synonyms:	RAD4; XP3; XPCC
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001145769
ORF Size:	2709 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC226839).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_001145769.1</a> , <a href="#">NP_001139241.1</a>
RefSeq ORF:	2712 bp
Locus ID:	7508
Cytogenetics:	3p25.1
Protein Families:	Druggable Genome
Protein Pathways:	Nucleotide excision repair
MW:	101.7 kDa



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**Gene Summary:**

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]