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Product datasheet for RC204872L3V

XPA (NM_000380) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	XPA (NM_000380) Human Tagged ORF Clone Lentiviral Particle
Symbol:	XPA
Synonyms:	XP1; XPAC
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_000380
ORF Size:	819 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC204872).
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. More info
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:	NM_000380.2
RefSeq Size:	1491 bp
RefSeq ORF:	822 bp
Locus ID:	7507
UniProt ID:	P23025
Cytogenetics:	9q22.33
Domains:	XPA_C
Protein Families:	Druggable Genome

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Protein Pathways: Nucleotide excision repair

MW: 31.4 kDa

Gene Summary: This gene encodes a zinc finger protein plays a central role in nucleotide excision repair (NER), a specialized type of DNA repair. NER is responsible for repair of UV radiation-induced photoproducts and DNA adducts induced by chemical carcinogens and chemotherapeutic drugs. The encoded protein interacts with DNA and several NER proteins, acting as a scaffold to assemble the NER incision complex at sites of DNA damage. Mutations in this gene cause Xeroderma pigmentosum complementation group A (XP-A), an autosomal recessive skin disorder featuring hypersensitivity to sunlight and increased risk for skin cancer. [provided by RefSeq, Aug 2017]