

Product datasheet for **SC209130**

DDB1 (NM_001923) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	DDB1 (NM_001923) Human 3' UTR Clone
Symbol:	DDB1
Synonyms:	DDBA; UV-DDB1; XAP1; XPCE; XPE; XPE-BF
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001923
Insert Size:	715 bp
Insert Sequence:	>SC209130 3'UTR clone of NM_001923 The sequence shown below is from the reference sequence of NM_001923. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GTTGTGGAGGAGCTAACTCGGATCCATTAGCCAAGGGCAGGGGGCCCTTTGCTGACCTCCCCAAAGG
CTTTGCCCTGCTGCCCTCCCCCTCCTCACCATCGTCTTCTTGCCATGGGAGGCCTTCCCTAAGC
CAGCTGCCCCCAGAGCCACAGTCCCTATGTGGAAGTGGGGCGGCTTCATAGAGACTTGGGAATGAG
CTGAAGGTGAAACATTTTCTCCCTGGATTTTACCAGTCTCACATGATTCCAGCCATCACCTTAGACCA
CCAAGCCTTGATTGGTGTGCCAGTTGTCTCCTTCCGGGAAGGATTTTGCAGTTCTTTGGCTGAAAG
GAAGCTGTGCGTGTGTGTGTGTATGTGTGTGTATGTGTATCTCACACTCATGCATTGTCCTCT
TTTTATTTAGATTGGCAGTGTAGGGAGTTGTGGGTAGTGGGAAGAGGGTTAGGAGGGTTTCATTGTCT
GTGAAGTGAGACCTTCTTTTACTTTTCTTATTGCCTCTGAGAGCATCAGGCCTAGAGGCCTGACTG
CCAAGCCATGGGTAGCCTGGGTGTAAAACCTGGAGATGGTGGATGATCCCCACGCCACAGCCCTTTGT
CTCTGAAACTGCCTTCTCGGAAAGAAGAAGTGGGAGGATGTGAATTGTTAGTTTCTGAGTTTACC
AAATAAAGTAGAATATAAGAAGAAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: Sgfl-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).



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Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_001923.5
Summary:	The protein encoded by this gene is the large subunit (p127) of the heterodimeric DNA damage-binding (DDB) complex while another protein (p48) forms the small subunit. This protein complex functions in nucleotide-excision repair and binds to DNA following UV damage. Defective activity of this complex causes the repair defect in patients with xeroderma pigmentosum complementation group E (XPE) - an autosomal recessive disorder characterized by photosensitivity and early onset of carcinomas. However, it remains for mutation analysis to demonstrate whether the defect in XPE patients is in this gene or the gene encoding the small subunit. In addition, Best vitelliform macular dystrophy is mapped to the same region as this gene on 11q, but no sequence alternations of this gene are demonstrated in Best disease patients. The protein encoded by this gene also functions as an adaptor molecule for the cullin 4 (CUL4) ubiquitin E3 ligase complex by facilitating the binding of substrates to this complex and the ubiquitination of proteins. [provided by RefSeq, May 2012]
Locus ID:	1642
MW:	27.1