

## Product datasheet for **TP762063**

### **DDB2 (NM\_000107) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human damage-specific DNA binding protein 2, 48kDa (DDB2),Met1-Leu250, with N-terminal His tag, expressed in E. coli, 50ug
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	A DNA sequence encoding the region(Met1-Leu250) of DDB2
<b>Tag:</b>	N-His
<b>Predicted MW:</b>	27.7 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	50 mM Tris-HCl, pH 8.0, 8 M urea
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_000098</a>
<b>Locus ID:</b>	1643
<b>UniProt ID:</b>	<a href="#">Q92466</a>
<b>RefSeq Size:</b>	1870
<b>Cytogenetics:</b>	11p11.2
<b>RefSeq ORF:</b>	1281
<b>Synonyms:</b>	DDBB; UV-DDB2; XPE



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**Summary:**

This gene encodes a protein that is necessary for the repair of ultraviolet light-damaged DNA. This protein is the smaller subunit of a heterodimeric protein complex that participates in nucleotide excision repair, and this complex mediates the ubiquitylation of histones H3 and H4, which facilitates the cellular response to DNA damage. This subunit appears to be required for DNA binding. Mutations in this gene cause xeroderma pigmentosum complementation group E, a recessive disease that is characterized by an increased sensitivity to UV light and a high predisposition for skin cancer development, in some cases accompanied by neurological abnormalities. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014]

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Nucleotide excision repair, p53 signaling pathway, Ubiquitin mediated proteolysis

**Product images:**