

# Recombinant Full Length Human DDB2 Protein, GST-tagged

Cat. No. DDB2-1564HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human full length DDB2 ( NP_000098.1, 1 a.a. - 427 a.a.) protein was expressed in wheat germ with GST tag.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	427 amino acids
<b>Description</b>	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.
<b>Form</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Molecular Mass</b>	74.3 kDa
<b>AA Sequence</b>	MAPKKRPETQ KTSEIVLRPR NKRSRSPLEL EPEAKKLC AK GSGPSRRCDSDCLWVGLAGP QILPPCRSIV RTLHQHKLGR ASWPSVQQGL QQSFLHTLDS YRILQKAAPF DRRATSLAWH PTHPSTVAVG SKGGDIMLWN FGIKDKPTFI

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KGIGAGGSIT GLKFNPLNTN QFYASSMEGT TRLQDFKGNL LRVFASSDTI  
 NIWFCSLDVS ASSRMVVTGD NVGNVILLNM DGKELWNLRM HKKKVTHVAL  
 NPCCDWFLAT ASVDQTVKIW DLRQVRGKAS FLYSLPHRHP VNAACFSPDG  
 ARLLTTDQKS EIRVYSASQW DCPLGLIPHP HRHFQHLTPI KAAWHPRYNL  
 IVVGRYPDPN FKSCTPYELR TIDVFDGNSG KMMCQLYDPE SSGISSLNEF  
 NPMGDTLASA MGYHILIWSQ EEARTRK

**Storage** Store at -80 centigrade.

## GENE INFORMATION

**Gene Name** [DDB2 damage-specific DNA binding protein 2, 48kDa \[ Homo sapiens \]](#)

**Official Symbol** [DDB2](#)

**Synonyms** DDB2; damage-specific DNA binding protein 2, 48kDa; damage specific DNA binding protein 2 (48kD); DNA damage-binding protein 2; DDB p48 subunit; DDBB; FLJ34321; UV damaged DNA binding protein 2; UV DDB2; xeroderma pigmentosum group E protein; UV-DDB 2; UV-damaged DNA-binding protein 2; damage-specific DNA-binding protein 2; UV-DDB2

**Gene ID** [1643](#)

**mRNA Refseq** [NM\\_000107](#)

**Protein Refseq** [NP\\_000098](#)

**MIM** [600811](#)

**UniProt ID** [Q92466](#)

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