

Recombinant Full Length Human DDB2 Protein, GST-tagged

Cat. No. DDB2-1549HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DDB2(1 a.a. - 427 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	427 amino acids
Description	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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	74.3 kDa
AA Sequence	MAPKKRPETQ KTSEIVLRPR NKRSRSPLEL EPEAKKLCAK GSGPSRRCDSDCLWVGLAGP QILPPCRSIV RTLHQHKLGR ASWPSVQQGL QQSFLHTLDS

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YRILQKAAPF DRRATSLAWH PTHPSTVAVG SKGGDIMLWN FGIKDKPTFI
 KGIGAGGSIT GLKFNPLNTN QFYASSMEGT TRLQDFKGNL LRVFASSDTI
 NIWFCSLDVS ASSRMVVTGD NVGNVILLNM DGKELWNLRM HKKKVTHVAL
 NPCCDWFLAT ASVDQTVKIW DLRQVRGKAS FLYSLPHRHP VNAACFSPDG
 ARLLTTDQKS EIRVYSASQW DCPLGLIPHP HRHFQHLTPH KAAWHPRYNL
 IVVGRYPDPN FKSCPTYELR TIDVFDGNSG KMMCQLYDPE SSGISSLNEF
 NPMGDTLASA MGYHILIWSQ EEARTRK

Applications

Enzyme-linked Immunoabsorbent; Assay Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

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

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MIM	600811
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UniProt ID	Q92466
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