Recombinant Human DDB2 Protein, His-tagged

Cat. No. DDB2-28309TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DDB2(1-261 aa) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-261 aa
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	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
AA Sequence	MAPKKRPETQKTSEIVLRPRNKRSRSPLELEPEAKKLCAKGSGPSRRCDSDCLWVG LAGPQILPPCRSIVRTLHQHKLGRASWPSVQQGLQQSFLHTLDSYRILQKAAPFDRR ATSLAWHPTHPSTVAVGSKGGDIMLWNFGIKDKPTFI KGIGAGGSITGLKFNPLNTN

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	QFYASSMEGTTRLQDFKGNILRVFASSDTI NIWFCSLDVSASSRMVVTGDNVGNVIL LNMDGKELWNLRMHKKKVTHVAL NPCCDWFLATA
Applications	SDS-PAGE Mass Spectrometry
Storage	Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
Reconstitution	Reconstitute with 59 µaqua dest.

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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