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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

DDB2 (Human) Recombinant Protein (P01)

Catalog Number: H00001643-P01

Regulation Status: For research use only (RUO)

Product Description: Human DDB2 full-length ORF (NP_000098.1, 1 a.a. - 427 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MAPKKRPETQKTSEIVLRPRNKRSPLELEPEAKKLC
AKGSGPSRRCDSDCLWVGLAGPQILPPCRSIVRTLHQ
HKLGRASWPSVQQGLQQSFLHTLDSYRILQKAAPFDR
RATSLAWHPHPSTVAVGSKGGDIMLWNFGIKDKPTFI
KGIGAGGSITGLKFNPLNTNQFYASSMEGTTRLQDFK
GNILRVFASDTINIWFCSLDVSASSRMVVTGDNVGNV
ILLNMDGKELWNLRMHKKKVTHVALNPCCDWFLATAS
VDQTVKIWDLRQVRGKASFLYSLPHRHPVNAACFSPD
GARLLTTDQKSEIRVYSASQWDCPLGLIPHRHFQH
LTIKAAWHPRYNLIVVGRYPDPNFKSCTPYELRTIDVF
DGNSGKMMQCQLYDPESSGISSLNEFNPMGDTLASAM
GYHILIWSQEEARTRK

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 74.3

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 1643

Gene Symbol: DDB2

Gene Alias: DDBB, FLJ34321, UV-DDB2

Gene 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. [provided by RefSeq]

References:

1. Poly(ADP-ribose) polymerase 1 escorts XPC to UV-induced DNA lesions during nucleotide excision repair. Robu M, Shah RG, Purohit NK, Zhou P, Naegeli H, Shah GM. Proc Natl Acad Sci U S A. 2017 Aug 15;114(33):E6847-E6856. doi: 10.1073/pnas.1706981114. Epub 2017 Jul 31.
2. Role of poly(ADP-ribose) polymerase-1 in the removal of UV-induced DNA lesions by nucleotide excision repair. Robu M, Shah RG, Petitclerc N, Brind'amour J, Kandam-Kulangara F, Shah GM. Proc Natl Acad Sci U S A. 2013 Jan 14.