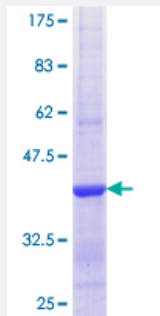


DDB2 (Human) Recombinant Protein (Q02)

Catalog # H00001643-Q02

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human DDB2 partial ORF (NP_000098.1, 332 a.a. - 427 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	RHFQHLTPIKAAWHPRYNLIVGRYPDPNFKSCTPYELRTIDVFDGNSGKMMCQLYDPESGSSL NEFNPMGDTLASAMGYHILWSQEEARTRK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.3
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
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.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — DDB2

Entrez GeneID [1643](#)

GeneBank Accession# [NM_000107](#)

Protein Accession# [NP_000098.1](#)

Gene Name DDB2

Gene Alias DDBB, FLJ34321, UV-DDB2

Gene Description damage-specific DNA binding protein 2, 48kDa

Omim ID [278740 600811](#)

Gene Ontology [Hyperlink](#)

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]

Other Designations DDB p48 subunit|UV-damaged DNA-binding protein 2|damage-specific DNA binding protein 2|damage-specific DNA binding protein 2 (48kD)|xeroderma pigmentosum group E protein

Pathway

- [Nucleotide excision repair](#)
- [p53 signaling pathway](#)

- [Ubiquitin mediated proteolysis](#)

Disease

- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Lung Neoplasms](#)
- [Multiple Sclerosis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Supranuclear Palsy](#)
- [Urinary Bladder Neoplasms](#)