

## Recombinant Human XPA, His-tagged

Cat. No. XPA-3751H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                      |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant Human XPA protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.                                                               |
| Species          | Human                                                                                                                                                                |
| Source           | E.coli                                                                                                                                                               |
| ProteinLength    | C-term-273aa                                                                                                                                                         |
| Storage          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                            |
| Storage Buffer   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol. |

### GENE INFORMATION

|                 |                                                                                                                                                                                                |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | XPA xeroderma pigmentosum, complementation group A [ Homo sapiens ]                                                                                                                            |
| Official Symbol | XPA                                                                                                                                                                                            |
| Synonyms        | XPA; xeroderma pigmentosum, complementation group A; DNA repair protein complementing XP-A cells; XP1; XPAC; excision repair-controlling; xeroderma pigmentosum group A-complementing protein; |

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|                            |                                                                                                                                                                                                                                                                 |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>             | 7507                                                                                                                                                                                                                                                            |
| <b>mRNA Refseq</b>         | NM_000380                                                                                                                                                                                                                                                       |
| <b>Protein Refseq</b>      | NP_000371                                                                                                                                                                                                                                                       |
| <b>MIM</b>                 | 611153                                                                                                                                                                                                                                                          |
| <b>UniProt ID</b>          | P23025                                                                                                                                                                                                                                                          |
| <b>Chromosome Location</b> | 9q22.3                                                                                                                                                                                                                                                          |
| <b>Pathway</b>             | DNA Repair, organism-specific biosystem; Dual incision reaction in GG-NER, organism-specific biosystem; Formation of incision complex in GG-NER, organism-specific biosystem; Global Genomic NER (GG-NER), organism-specific biosystem; Nucleotide Excision Rep |
| <b>Function</b>            | damaged DNA binding; metal ion binding; nucleotide binding; protein binding; protein domain specific binding; protein homodimerization activity;                                                                                                                |

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