



# Recombinant Human DNA repair protein complementing XP-A cells (XPA)

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| <b>Product Code</b>      | CSB-EP026216HU-B   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | P23025   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Homo sapiens (Human)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | AAADGALPE AAALQPAEL PASVRASIER KRQRALMLRQ ARLAARPYSA<br>TAAAATGGMA NVKAAPKIID TGGGFILEEE EEEEQKIGKV VHQPQPVMEF<br>DYVICEECGK EFMDSYLMNH FDLPTCDNCR DADDKHKLIT KTEAKQEYLL<br>KDCDLKREP PLKFIVKKNP HHSQWGMKL YLKLQIVKRS LEVWGSQEAL<br>EEAKEVRQEN REKMKQKKFD KVKELRRAV RSSVWKRETI VHQHEYGPEE<br>NLEDDMYRKT CTMCGHELTY EKM   |
| <b>Source</b>            | E.coli   |
| <b>Target Names</b>      | XPA  |
| <b>Protein Names</b>     | Recommended name: DNA repair protein complementing XP-A cells<br>Alternative name(s): Xeroderma pigmentosum group A-complementing protein  |
| <b>Expression Region</b> | 2-273  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | Full Length of Mature Protein  |
| <b>Target Details</b>    | This gene encodes a zinc finger protein involved in DNA excision repair. The encoded protein is part of the NER (nucleotide excision repair) complex which is responsible for repair of UV radiation-induced photoproducts and DNA adducts induced by chemical carcinogens. Mutations in this gene are associated with xeroderma pigmentosum complementation group A. Alternatively spliced transcript variants have been found for this gene. |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.                                    |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.   |