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

Product Code	CSB-EP026216HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P23025
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	AAADGALPE AAALEQPAEL PASVRASIER KRQRALMLRQ ARLAARPYSA TAAAATGGMA NVKAAPKIID TGGGFILEEE EEEEQKIGKV VHQPGPVMEF DYVICEECGK EFMDSYLMNH FDLPTCDNCR DADDKHKLIT KTEAKQEYLL KDCDLEKREP PLKFIVKKNP HHSQWGDMKL YLKLQIVKRS LEVWGSQEAL EEAKEVRQEN REKMKQKKFD KKVKELRRAV RSSVWKRETI VHQHEYGPEE NLEDDMYRKT CTMCGHELTY EKM
Source	E.coli
Target Names	XPA
Protein Names	Recommended name: DNA repair protein complementing XP-A cells Alternative name(s): Xeroderma pigmentosum group A-complementing protein
Expression Region	2-273
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This gene encodes a zinc finger protein involved in DNA excision repair. The encoded protein is part of the NER (nucleotide excision repair) complext 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.
Reconstitution	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.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. 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.