Recombinant Human DNA repair protein XRCC2 (XRCC2)

Product Code	CSB-EP026230HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O43543
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MCSAFHRAES GTELLARLEG RSSLKEIEPN LFADEDSPVH GDILEFHGPE GTGKTEMLYH LTARCILPKS EGGLEVEVLF IDTDYHFDML RLVTILEHRL SQSSEEIIKY CLGRFFLVYC SSSTHLLLTL YSLESMFCSH PSLCLLILDS LSAFYWIDRV NGGESVNLQE STLRKCSQCL EKLVNDYRLV LFATTQTIMQ KASSSSEEPS HASRRLCDVD IDYRPYLCKA WQQLVKHRMF FSKQDDSQSS NQFSLVSRCL KSNSLKKHFF IIGESGVEFC
Source	E.coli
Target Names	XRCC2
Protein Names	Recommended name: DNA repair protein XRCC2 Alternative name(s): X-ray repair cross-complementing protein 2
Expression Region	1-280
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 protein
Target Details	This gene encodes a member of the RecA/Rad51-related protein family that participates in homologous recombination to maintain chromosome stability and repair DNA damage. This gene is involved in the repair of DNA double-strand breaks by homologous recombination and it functionally complements Chinese hamster irs1, a repair-deficient mutant that exhibits hypersensitivity to a number of different DNA-damaging agents.
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.