



# Recombinant Human X-ray repair cross-complementing protein 6 (XRCC6)

<b>Product Code</b>	CSB-EP321042HU
<b>Storage</b>	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.
<b>Uniprot No.</b>	P12956
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	SGWESYYKT EGDEEAEEEEQ EENLEASGDY KYSGRDSLIF LVDASKAMFE SQSEDELTPF DMSIQCIQSV YISKIISDR DLLAVVFGYGT EKDKNSVNFK NIYVLQELDN PGAKRILELD QFKGQQGQKR FQDMMGHGSD YSLSEVLWVC ANLFSVDVQFK MSHKRIMLFT NEDNPHGNDS AKASRARTKA GDLRDTGIFL DLMHLKPPGG FDISLFYRDI ISIAEDEDLR VHFEESSKLE DLLRKVRAKE TRKRALSRLK LKLNKDIVIS VGIYNLVQKA LKPPPIKLYR ETNEPVKTKT RTFNTSTGGL LLPSDTKRSQ IYGSRQIILE KEETEELKRF DDPGLMLMGF KPLVLLKHH YLRPSLFVYP EESLVIGSST LFSALLIKCL EKEVAALCRY TPRRNIPPYF VALVPQEEEL DDQKIQVTPP GFQLVFLPFA DDKRKMPFTE KIMATPEQVG KMKAIVEKLR FTYRSDSFEN PVLQQHFRNL EALALDLMEP EQAVDLTLPK VEAMNKRLGS LVDEFKELVY PPDYNPEGKV TKRKHDNEGS GSKRPKVEYS EEELKTHISK GTLGKFTVPM LKEACRAYGL KSGLLKKQELL EALTKHFQD
<b>Source</b>	E.coli
<b>Target Names</b>	XRCC6
<b>Protein Names</b>	Recommended name: X-ray repair cross-complementing protein 6 EC= 3.6.4.- EC= 4.2.99.- Alternative name(s): 5'-deoxyribose-5-phosphate lyase Ku70 Short name= 5'-dRP lyase Ku70 70 kDa subunit of Ku antigen ATP-dependent
<b>Expression Region</b>	2-609
<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>	The p70/p80 autoantigen is a nuclear complex consisting of two subunits with molecular masses of approximately 70 and 80 kDa. The complex functions as a single-stranded DNA-dependent ATP-dependent helicase. The complex may be involved in the repair of nonhomologous DNA ends such as that required for double-strand break repair, transposition, and V(D)J recombination. High levels of autoantibodies to p70 and p80 have been found in some patients with



systemic lupus erythematosus.

---

**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.