



# Recombinant Human E3 ubiquitin-protein ligase RAD18 (RAD18)

<b>Product Code</b>	CSB-EP889102HU-B
<b>Abbreviation</b>	RAD18
<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>	Q9NS91
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MDSLAESRWP PGLAVMKTID DLLRCGICFE YFNIAMIIIPQ CSHNYCSLCI RKFLSYKTQC PTCCVTVTEP DLKNNRILDE LVKSLNFARN HLLQFALESP AKSPASSSSK NLAVKVYTPV ASRQSLKQGS RLMDNFLIRE MSGSTSELLI KENKSKFSPQ KEASPAAKTK ETRSVVEEIP DPSEAKRPEP PSTSTLKQVT KVDCPVCNVN IPESHINKHL DSCLSREEKK ESLRSSVHKR KPLPKTVYNL LSDRDLKKKL KEHGLSIQGN KQQLIKRHQE FVHMYNAQCD ALHPKSAAEI VREIENIEKT RMRLEASKLN ESVMVFTKDQ TEKEIDEIHS KYRKKHKSEF QLLVDQARKG YKKIAGMSQK TVTITKEDES TEKLSSVCMG QEDNMTSVTN HFSQSKLDSP EELEPDREED SSSCIDIQEV LSSSESDSCN SSSSDIIRD LEEEEAWEAS HKNDLQDTEI SPRQNRRTA AESAEIEPRN KRNRN
<b>Source</b>	E.coli
<b>Target Names</b>	RAD18
<b>Protein Names</b>	Recommended name: E3 ubiquitin-protein ligase RAD18 EC= 6.3.2.- Alternative name(s): Postreplication repair protein RAD18 Short name= hHR18 Short name= hRAD18 RING finger protein 73
<b>Expression Region</b>	1-495
<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 protein
<b>Target Details</b>	This protein is highly similar to <i>S. cerevisiae</i> DNA damage repair protein Rad18. Yeast Rad18 functions through its interaction with Rad6, which is an ubiquitin-conjugating enzyme required for post-replication repair of damaged DNA. Similar to its yeast counterpart, this protein is able to interact with the human homolog of yeast Rad6 protein through a conserved ring-finger motif. Mutation of this motif results in defective replication of UV-damaged DNA and hypersensitivity to multiple mutagens.



---

**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.