Recombinant Human DNA repair protein RAD51 homolog 4 (RAD51D)

Product Code	CSB-YP019268HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O75771
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MGVLRVGLCP GLTEEMIQLL RSHRIKTVVD LVSADLEEVA QKCGLSYKAL VALRRVLLAQ FSAFPVNGAD LYEELKTSTA ILSTGIGSLD KLLDAGLYTG EVTEIVGGPG SGKTQVCLCM AANVAHGLQQ NVLYVDSNGG LTASRLLQLL QAKTQDEEEQ AEALRRIQVV HAFDIFQMLD VLQELRGTVA QQVTGSSGTV KVVVVDSVTA VVSPLLGGQQ REGLALMMQL ARELKTLARD LGMAVVVTNH ITRDRDSGRL KPALGRSWSF VPSTRILLDT IEGAGASGGR RMACLAKSSR QPTGFQEMVD IGTWGTSEQS ATLQGDQT
Source	Yeast
Target Names	RAD51D
Protein Names	Recommended name: DNA repair protein RAD51 homolog 4 Alternative name(s): R51H3 RAD51 homolog D RAD51-like protein 3 TRAD
Expression Region	1-328
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 protein is a member of the RAD51 protein family. RAD51 family members are highly similar to bacterial RecA and Saccharomyces cerevisiae Rad51, which are known to be involved in the homologous recombination and repair of DNA. This protein forms a complex with several other members of the RAD51 family, including RAD51L1, RAD51L2, and XRCC2. The protein complex formed with this protein has been shown to catalyze homologous pairing between single- and double-stranded DNA, and is thought to play a role in the early stage of recombinational repair of DNA. Several alternatively spliced transcript variants of this gene have been described, but the biological validity of some of them has not been determined.
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.