



# Recombinant Human DNA repair protein RAD51 homolog 4 (RAD51D)

<b>Product Code</b>	CSB-BP019268HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O75771
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MGVLRVGLCP GLTEEMIQLL RSHRIKTVVD LVSADLEEVA QKCGLSYKAL VALRRVLLAQ FSAFPVNGAD LYEELKTSTA ILSTGIGSLD KLLDAGLYTG EVTEIVGGPG SGKTQVCLCM AANVAHGLQQ NVLYVDSNGG LTASRLQLL QAKTQDEEEQ AEALRRIQVV HAFDIFQMLD VLQELRGTV QQVTGSSGTV KVVVDSVTA VVSPLLGGQQ REGLALMMQL ARELKTARD LGMAVVV TNH ITRDRDSGRL KPALGRSWSF VPSTRILLDT IEGAGASGGR RMACLAKSSR QPTGFQEMVD IGTWGTSEQS ATLQGDQT
<b>Source</b>	Baculovirus
<b>Target Names</b>	RAD51D
<b>Protein Names</b>	Recommended name: DNA repair protein RAD51 homolog 4 Alternative name(s): R51H3 RAD51 homolog D RAD51-like protein 3 TRAD
<b>Expression Region</b>	1-328
<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 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.
<b>Reconstitution</b>	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.