

Recombinant Human RAD51D protein, His-tagged

Cat. No. RAD51D-2553H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RAD51D protein(1-253 aa), fused with N-terminal His tag, was expressed in E. coli.
Species	Human
Source	E. coli
ProteinLength	1-253 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
AASequence	MGVLRVGLCPGLTEEMIQLLRSHRIKTVVDLVSADLEEVAQKCGLSYKALVALRRVLL AQFSAFPVNGADLYEELKTSTAILSTGIGSLDKLLDAGLYTGEVTEIVGGPGSGKTQV CLCMAANVAHGLQQNVLYVDSNGGLTASRLLQLLQAKTQDEEEQAEALRRIQVVHA FDIFQMLDVLQELRGTVAAQQVTGSSGTVKVVVDSVTAVVSPLLGGQQREGLALMM QLARELKTLDLGMVAVVTNHITR
Purity	90%, by SDS-PAGE.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [RAD51D RAD51 homolog D \(S. cerevisiae\) \[Homo sapiens \]](#)

Official Symbol [RAD51D](#)

Synonyms RAD51D; RAD51 homolog D (S. cerevisiae); RAD51 (S. cerevisiae) like 3 , RAD51 like 3 (S. cerevisiae) , RAD51L3; DNA repair protein RAD51 homolog 4; HsTRAD; R51H3; recombination repair protein; Trad; RAD51-like protein 3; TRAD; BROVCA4; RAD51L3;

mRNA Refseq [NM_001142571](#)

Protein Refseq [NP_001136043](#)

MIM [602954](#)

UniProt ID [O75771](#)

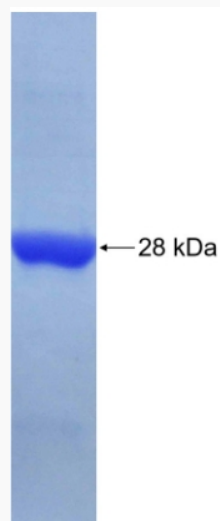
Gene ID [5892](#)

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SDS-PAGE



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