
Product Data Sheet

Product Name: RAD51D Human
 Cat. No.: GP24316
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	BROVCA4; R51H3; RAD51L3; TRAD; DNA repair protein RAD51 homolog 4; RAD51 homolog D; RAD51-like protein 3; RAD51D.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMGVLRVG LCPGLTEEMI QLLRSHRIKT VVDLVSADLE EVAQKCGLSY KAEALRRIQV VHAFDIFQML DVLQELRGTV AQQVTGSSGT VKVVVVDVSVT AVVSPLLGGQ QREGLALMMQ LARELKTLLAR DLGMAVVVTN HITRDRDSGR LKPALGRSWS FVPSTRILLD TIEGAGASGG RRMACLA KSS RQPTGFQEMV DIGTWGTSEQ SATLQGDQT.		
Formulation	RAD51D solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

Introduction

RAD51D is a member of the RAD51 protein family whose members are extremely similar to bacterial RecA and *Saccharomyces cerevisiae* Rad51. RAD51 protein family members take part in the homologous recombination and repair of DNA. RAD51D forms a complex with several other members of the RAD51 family which catalyzes homologous pairing between single- and double-stranded DNA, and participates in the early stage of recombinational repair of DNA.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

RAD51D Human Recombinant produced in *E. coli* is a single polypeptide chain containing 239 amino acids (1-216 a.a) and having a molecular mass of 25.7kDa.

Caution: Product has not been fully validated for medical applications. For research use only.

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RAD51D is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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