
Product Data Sheet

Product Name: RAD51D (1-328) Human

Cat. No.: GP24317

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 SGLVPRGSH MGSMGVLRVG LCPGLTEEMI QLLRSHRIKT VVDLVSADLE EVAQKCGLSY KALVALRRVL LAQFSAFPVN GADLYEELKT STAILSTGIG SLDKLLDAGL YTGEVTEIVG GPGSGKTQVC LCMAANVAHG LQQNVLYVDS NGGLTASRL QLLQAKTQDE EEQAEALRRI QVVHAFDIFQ MLDVLQELRG TVAQQVTGSS GTVKVVVVDV VTAVVSPLLG GQQREGLALM MQLARELCTL ARDLGMAVVV TNHITRDRDS GRLKPALGRS WSFVPSTRIL LDTIEGAGAS GGRRMACLAK SSRQPTGFQE MVDIGTWGTS EQSATLQGDQ T.		
Formulation	RAD51D (1-328) solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 10% glycerol and 1mM DTT.		

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

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

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RAD51D (1-328) Human Recombinant produced in E. coli is a single polypeptide chain containing 351 amino acids and having a molecular mass of 37.4kDa. RAD51D (1-328) is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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