

RAD1 Human Recombinant

Item Number	rAP-4485
Synonyms	RAD-1, HRAD1, REC1, Cell cycle checkpoint protein RAD1, hRAD1, EC=3.1.11.2, DNA repair exonuclease rad1 homolog, Rad1-like DNA damage checkpoint protein.
Description	RAD1 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 301 amino acids (1-282 a.a.) and having a molecular mass of 33.9 kDa. The RAD1 is fused to 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.
Uniprot Accession Number	O60671
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MPLL TQQIQD EDDQYSLVAS LDNVRNLSTI LKAIHFREHA TCFAT-KNGIK VTVENAKCVQ ANAFIQAGIF QEFKVQEE SV TFRINLTVLL DCLSIFGSSP MPGTLTALRM CYQGYGYPLM LFLEEGGVVT VCKINTQEPE ETLDFFDCST NVINKIILQSEGLREAFSEL DMTSEVLQIT MSPDKPYFRL STFGNAGSSH LDYPKDSL M EAFHCNQTV NRYKISLLKP STKALVLSCK VSIRTDNRGF LSLQYMIRNE DGQICFVEYY CCPDEEVPE S ES.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. 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.
Formulation and Purity	RAD1 Human solution containing 20mM Tris pH-8, 1mM DTT, 0.2M NaCl & 10% glycerol. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**