

## Excision Repair Cross-Complementing 1 Human Recombinant

<b>Item Number</b>	rAP-3237
<b>Synonyms</b>	Excision Repair Cross-complementing rodent repair deficiency complementation group 1 (includes overlapping antisense sequence), RAD10, COFS4, UV20, DNA excision repair protein ERCC-1.
<b>Description</b>	ERCC1 Human Recombinant produced in E. coli is a single polypeptide chain containing 297 amino acids (1-273) and having a molecular mass of 32.5kDa. ERCC1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
<b>Uniprot Accesion Number</b>	P07992
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSHMDPGKD KEGVPQPSGP PARKKFVPL DEDEVPPGVA KPLFRSTQSL PTVDTSAQAA PQTYAELYAIS QPLEGAGATC PTGSEPLAGE TPNQALKPGK KSNSI-IVSPR QRGNPVLKFV RNPWEFGDV IPDYVLGQST CALFLSLRYH NLHPDYIHGR LQSLGKNFAL RVLLVQVDVK DPQQALKELA KMCLADCTL ILAWSPEEAG RYLETYKAYE QKPADLLMEK LEQDFVRSRL EQLIASRED LALCPGLGPQ KARRLFDVH EPFLKVP
<b>Source</b>	E.coli.
<b>Physical Appearance and Stability</b>	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.
<b>Formulation and Purity</b>	The ERCC1 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 20% glycerol. Greater than 90% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	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 end users! This product is sold for **Research Use Only**