9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

ERCC1 Human

Excision Repair Cross-Complementing 1 Human Recombinant
RCP0771

Product Overview

Name	ERCC1 Human
Description	
Excision Repair Cross-Complementing 1 Human Recombinant	
Accession (Primary)	P07992
Synonyms	
Excision Repair Cross-complementing rodent repair deficiency complementation group 1 (includes overlapping antisense sequence), RAD10, COFS4, UV20, DNA excision repair protein ERCC-1.	
Introduction	
ERCC1 polypeptide is essential for nucleotide excision repair (NER) of damaged DNA and is homologous to Saccharomyces cerevisiae RAD10, which takes part in repair and mitotic intra-chromosomal recombination. NER mechanism includes dual incisions on both sides of the damage catalyzed by two nucleases. In mammalian cells XPG cleaves 3' of the DNA lesion while the ERCC1-XPF complex makes the 5' incision.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The ERCC1 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 20% glycerol.	
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.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGSH MDPGKD KEGVPQPSGP PARKKFVIPL DEDEVPPGVA KPLFRSTQSL PTVDTSAQAA PQTYAEYAIS QPLEGAGATC PTGSEPLAGE TPNQALKPGA KSNSIIVSPR QRGNPVLKFV RNVPWEFGDV IPDYVLGQST CALFLSLRYH NLHPDYIHGR LQSLGKNFAL RVLLVQVDVK DPQQALKELA KMCILADCTL ILAWSPEEAG RYLETYKAYE QKPADLLMEK LEQDFVSRSL EQLIAASRED LALCPGLGPQ	

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KARRLFDVLH EPFLKVP

Precautions

ERCC1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P07992)