9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-3758: ERCC1 Recombinant Protein

Alternative Name :	Excision Repair Cross-complementing rodent repair deficiency complementation group 1 (includes overlapping antisense sequence),RAD10,COFS4,UV20,DNA excision repair protein ERCC-1.

Description

Source : E.coli. 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. 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. Raised levels of ERCC1 were also found in cisplatin-resistant cells.

Product Info

Amount :	10 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	The ERCC1 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 20% glycerol.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSHMDPGKD 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 KARRLFDVLH EPFLKVP

For Research Use Only. Not for use in diagnostic/therapeutics procedures.