

AR50370PU-S**Human ERCC1 (1-273, His-tag) - Purified**

Alternate names:	COFS4, DNA excision repair protein ERCC-1, UV20
Quantity:	50 µg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	ERCC1, also known as DNA excision repair protein ERCC-1, functions in the nucleotide excision repair pathway, and is required for the repair of DNA lesions such as those induced by UV light or formed by electrophilic compounds including cisplatin. Defects in ERCC1 are the cause of cerebro-oculo-facio-skeletal syndrome type 4 (COFS4).
Uniprot ID:	P07992
NCBI:	NP_001159521
GeneID:	2067
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT
Description:	Recombinant human ERCC1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. AA Sequence: MGSSHHHHH SSGLVPRGSH MGSMDPGKD KEGVPQPSGP PARKKFVIPL DEDEVPPGVA KPLFRSTQSL PTVD TSAQAA PQT YAEY AIS QPLEGAGATC PTGSEPLAGE TPNQALKPGA KSNSIIIVSPR QRGNPVLK FV RNPWFEGDV IPDYVLGQST CALFLSLRYH NLHPDYIHGR LQSLGKNFAL RVLVQVDVK DPQQALKELA KMCILADCTL ILAWSPEEAG RYLETYKAYE QKPADLLMEK LEQDFVSRSL EQLIAASRED LALCPGLGPQ KARRLFDVLH EPFLKVP Molecular weight: 32.5 kDa (297aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	van Duin M., et al. (1986) Cell. 44:913-923 Grimwood J., et al. (2004) Nature. 428:529-535

Pictures:

