

Product datasheet for **TP504140**

Erc1 (NM_007948) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse excision repair cross-complementing rodent repair deficiency, complementation group 1 (Erc1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204140 protein sequence Red =Cloning site Green =Tags(s)
	<p>MDPGKDEESRPQPSGPPTRRKFVIPLEEEVPCAGVKPLFRSSRNPTIPATSAHVAPQTYAEYAITQPPG GAGATVPTGSEPAAGENPSQTLKTGAKSNSIIVSPRQRGNPVLKFVRNVPWEFGEVIPDYVLGQSTCALF LSLRYHNLHPDYIHERLQSLGKNFALRVLLVQVDVKDPQALKELAKMCILADCTLVLWASAEAGRYLE TYKAYEQPADLLMEKLEQNFLSRATECLTTVKSVNKTDSTLLATFGSLEQLFTASREDLALCPGLGPQ KARRLFEVLHEPFLKVPR</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	32.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_031974
Locus ID:	13870
UniProt ID:	P07903 , Q91VP3



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RefSeq Size: 1099

Cytogenetics: 7 9.6 cM

RefSeq ORF: 897

Synonyms: Ercc-1

Summary: Non-catalytic component of a structure-specific DNA repair endonuclease responsible for the 5'-incision during DNA repair. Responsible, in conjunction with SLX4, for the first step in the repair of interstrand cross-links (ICL). Participates in the processing of anaphase bridge-generating DNA structures, which consist in incompletely processed DNA lesions arising during S or G2 phase, and can result in cytokinesis failure. Also required for homology-directed repair (HDR) of DNA double-strand breaks, in conjunction with SLX4 (By similarity). [UniProtKB/Swiss-Prot Function]