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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

ERCC2 (Human) Recombinant Protein (P01)

Catalog Number: H00002068-P01

Regulation Status: For research use only (RUO)

Product Description: Human ERCC2 full-length ORF (AAH08346, 1 a.a. - 405 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MRELKRTLDAKGHGVLEMPSGTGKTVSLLALIMAYQR
AYPLEVTKLIYCSRTVPEIEKVIEELRKLNFYEKQEGE
KLPFLGLALSSRNLCIHPEVTPLRFGKDVDGKCHSLT
ASYVRAQYQHDTSLPHCRFYEEFDAHGREVPLPAGIY
NLDDLKALGRRQGWCPYFLARYSILHANVVVYSYHYL
LDPKIADLVSKELARKAVVVFDEAHNIDNVCIDSMSVNL
TRRTLDRCCGNLETLQKTVLRIKETDEQRLRDEYRRLV
EGLREASAARETDAHLANPVLPEVLQEAVPGSIRTAE
HFLGFLRRLLEYVKWRLRVQHVQESPPAFLSGLAQR
VCIQRKPLRFCAERLRSLLHTLEITDLADFSPLTLLANF
ATLVSTYAKGQAQHCSSRNQKRSH

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 70.29

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 2068

Gene Symbol: ERCC2

Gene Alias: COFS2, EM9, MGC102762, MGC126218, MGC126219, TTD, XPD

Gene Summary: The nucleotide excision repair pathway is a mechanism to repair damage to DNA. The protein encoded by this gene is involved in transcription-coupled nucleotide excision repair and is an integral member of the basal transcription factor BTF2/TFIIH complex. The gene product has ATP-dependent DNA helicase activity and belongs to the RAD3/XPD subfamily of helicases. Defects in this gene can result in three different disorders, the cancer-prone syndrome xeroderma pigmentosum complementation group D, trichothiodystrophy, and Cockayne syndrome. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

References:

1. Cadmium inhibits non-homologous end-joining and over-activates the MRE11-dependent repair pathway. Viau M, Gastaldo J, Bencokova Z, Joubert A, Foray N. Mutat Res. 2008 Jun 30;654(1):13-21. Epub 2008 May 2.