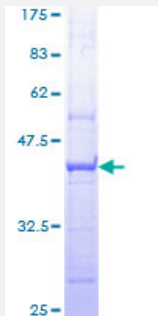


ERCC3 (Human) Recombinant Protein (Q01)

Catalog # H00002071-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ERCC3 partial ORF (AAH08820, 29 a.a. - 128 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	APGNDPQEAVPSAAGKQVDESGTKVDEYGAKDYRLQMPLKDDHTSRPLWWAPDGHIFLEAFSP VYKYAQDFLVAIAEPVCRPTHVHEYKLTAYSLYAAVS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (95); Rat (95)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
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.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ERCC3

Entrez GeneID	2071
GeneBank Accession#	BC008820
Protein Accession#	AAH08820
Gene Name	ERCC3
Gene Alias	BTF2, GTF2H, RAD25, TFIIH, XPB
Gene Description	excision repair cross-complementing rodent repair deficiency, complementation group 3 (xeroderma pigmentosum group B complementing)
Omim ID	133510 601675 610651
Gene Ontology	Hyperlink
Gene Summary	ERCC3 is an ATP-dependent DNA helicase that functions in nucleotide excision repair and complements xeroderma pigmentosum group B mutations. It also is the 89 kDa subunit of basal transcription factor 2 (TFIIH) and thus functions in class II transcription. [provided by RefSeq]
Other Designations	OTTHUMP00000162265 excision repair cross-complementing rodent repair deficiency, complementation group 3 xeroderma pigmentosum, complementation group B

Pathway

- [Nucleotide excision repair](#)

Disease

- [Adenocarcinoma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cell Transformation](#)
- [Colorectal Neoplasms](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [DNA Repair-Deficiency Disorders](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [HIV Infections](#)
- [Hodgkin Disease](#)
- [Kidney Failure](#)
- [Lung carcinoma](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Sclerosis](#)
- [Neoplasms](#)
- [Occupational Diseases](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)

- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)