**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for TP762657

## XPD (ERCC2) (NM_000400) Human Recombinant Protein

### Product data:

| | |
|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | Purified recombinant protein of Human excision repair cross-complementing rodent repair deficiency, complementation group 2 (ERCC2), transcript variant 1 |
| **Species:** | Human |
| **Expression Host:** | E. coli |
| **Expression cDNA Clone or AA Sequence:** | A DNA sequence encoding the region full length of ERCC2 |
| **Tag:** | N-GST and C-HIS |
| **Predicted MW:** | 114.9 kDa |
| **Concentration:** | >0.05 µg/µL as determined by microplate BCA method |
| **Purity:** | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| **Buffer:** | 50 mM Tris-HCl, pH 8.0, 8 M urea |
| **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_000391 |
| **Locus ID:** | 2068 |
| **UniProt ID:** | P18074 |
| **RefSeq Size:** | 2355 |
| **Cytogenetics:** | 19q13.32 |
| **RefSeq ORF:** | 2280 |
| **Synonyms:** | COFS2; EM9; TFIIH; TTD; TTD1; XPD |

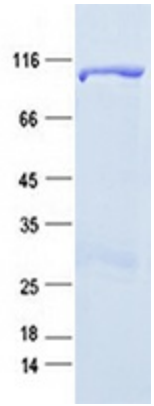
View online »

**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, Aug 2008]

**Protein Families:** Druggable Genome, Transcription Factors

**Protein Pathways:** Nucleotide excision repair

## Product images:




Purified recombinant protein ERCC2 was analyzed by SDS-PAGE gel and Coomossie Blue Staining.