

Product datasheet for **TP762531**

XPA (NM_000380) Human Recombinant Protein

Product data:

| | |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Human xeroderma pigmentosum, complementation group A (XPA), transcript variant 1, 50ug |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | A DNA sequence encoding the region full length of XPA |
| Tag: | N-GST and C-HIS |
| Predicted MW: | 31.4 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 50mM Tris, pH8.0, 8M Urea |
| Storage: | Store at -80°C after receiving vials. |
| Stability: | Stable for at least 1 year from receipt of products under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_000371 |
| Locus ID: | 7507 |
| UniProt ID: | P23025 |
| RefSeq Size: | 1491 |
| Cytogenetics: | 9q22.33 |
| RefSeq ORF: | 819 |
| Synonyms: | XP1; XPAC |



[View online »](#)

Summary:

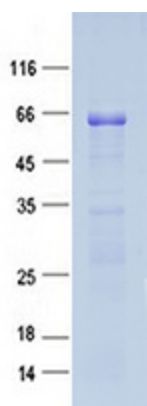
This gene encodes a zinc finger protein plays a central role in nucleotide excision repair (NER), a specialized type of DNA repair. NER is responsible for repair of UV radiation-induced photoproducts and DNA adducts induced by chemical carcinogens and chemotherapeutic drugs. The encoded protein interacts with DNA and several NER proteins, acting as a scaffold to assemble the NER incision complex at sites of DNA damage. Mutations in this gene cause Xeroderma pigmentosum complementation group A (XP-A), an autosomal recessive skin disorder featuring hypersensitivity to sunlight and increased risk for skin cancer. [provided by RefSeq, Aug 2017]

Protein Families:

Druggable Genome

Protein Pathways:

Nucleotide excision repair

Product images:

Coomassie blue staining of purified XPA protein (Cat #TP762531). The protein was produced from E.coli.