

Product datasheet for **AR50756PU-S**

XPA / XPAC (1-273, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	XPA / XPAC (1-273, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Tag:	His-tag
Predicted MW:	33.8 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human XPA protein, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_000371
Locus ID:	7507
Cytogenetics:	9q22.33
Synonyms:	XP1; XPAC
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]



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Protein Families: Druggable Genome

Protein Pathways: Nucleotide excision repair