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Datasheet for ABIN1098757 XPA Protein (His tag)

Overview

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|-------------------------------|--|
| Quantity: | 100 µg |
| Target: | XPA |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This XPA protein is labelled with His tag. |
| Application: | SDS-PAGE (SDS) |

Product Details

Purity: > 85 % by SDS - PAGE

Target Details

| | |
|-------------------|--------------------------------------|
| Target: | XPA |
| Alternative Name: | XPA (XPA Products) |

Background: XPA, also known as DNA repair protein complementing XP-A cells, belong to the XPA family. This protein is involved in DNA excision repair. It Initiates repair by binding to damaged sites with various affinities, depending on the photoproduct and the transcriptional state of the region. Defects in XPA are a cause of xeroderma pigmentosum complementation group A (XP-A), which is a rare human autosomal recessive disease characterized by solar sensitivity, high predisposition for developing cancers on areas exposed to sunlight and, in some cases, neurological abnormalities. Recombinant human XPA protein, fused to His-tag at N-terminus, was expressed in E.coli.

Target Details

Molecular Weight: 33.8 kDa (296aa)

NCBI Accession: [NP_000371](#)

Pathways: [DNA Damage Repair](#)

Application Details

Comment: Synonyms: DNA repair protein complementing XP-A cells, XP1, XPAC

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/ml (determined by Bradford assay)

Buffer: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4 M Urea, 10% glycerol

Storage: 4 °C

Storage Comment: Avoid repeated freezing and thawing cycles.