

Recombinant Human XPA Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. XPA-6719H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

XPA MS Standard C13 and N15-labeled recombinant protein (NP_000371) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

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.

Molecular Mass

31.4 kDa

AA Sequence

MAAADGALPEAAALEQPAELPASVRASIERKRQRALMLRQARLAARPYSATAAAAT
 GGMANVKAAPKIIDTGGGFILEEEEEEEQKIGKVVHQPGPVMFDYVICEECGKEFM
 DSYLMNHFDLPTCDNCRDADDKHKLITKTEAKQEYLLKDCDLEKREPPLKFIVKKNP
 HHSQWGMKLYLKLQIVKRSLEVVWGSQEAL EEAKEVRQENREKMKQKFFDKKVKVE
 LRRAVRSSVWKRETIVHQHEYGPEENLEDDMYRKTCTMCGHELTYEKMTRTRPLE

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QKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name XPA XPA, DNA damage recognition and repair factor [Homo sapiens (human)]

Official Symbol XPA

Synonyms XPA; xeroderma pigmentosum, complementation group A; DNA repair protein complementing XP-A cells; XP1; XPAC; excision repair-controlling; xeroderma pigmentosum group A-complementing protein;

Gene ID 7507

mRNA Refseq NM_000380

Protein Refseq NP_000371

MIM 611153

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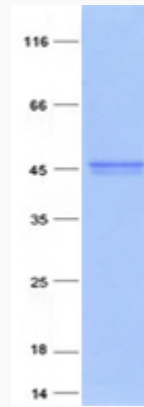
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UniProt ID

P23025

SDS-PAGE



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