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XPA, 1-273aa Human, His tag, E.coli

产品货号: TP04512

第三版

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

描述: 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.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

分子量: 33.8 kDa (296aa)

序列:

MGSSHHHHHSSGLVPRGSHMGSMMAADGALPEAAALEQPAELPASVRASIERKRQRALMLRQARLAARPYSAATAAAAT
GGMANVKAAPKIIDTGGGFILEEEEEEQKIGKVHQPVPMEFDYVICEECGKEFMDSYLMNHFDLPTCDNCRDADDDK
HKLITKTEAKQEYLLKDCLEKREPPLKFIVKKNPHHSQWGMKLYLKLQIVKRSLEVWGSQEALKEEAKVRQENREKMK
QKKFDKKVKELRRAVRSSVWKRETIVHQHEYGPEENLEDDMYRKTCTMCGHELTYEKM

纯度: > 95% by HPLC

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

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.