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32-5257: Recombinant Human Xeroderma Pigmentosum, Complementation Group A

Alternative Name : XP1,XPAC,DNA repair protein complementing XP-A cells.

Description

Source : Escherichia Coli. XPA Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 296 amino acids (1-273 a.a.) and having a molecular mass of 33.8 kDa.XPA is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. DNA repair protein complementing XP-A cells, (XPA), is a member of the XPA family. XPA protein takes a part in DNA excision repair. It Inductees repair by binding to damaged sites with different affinities depending on the photoproduct and the transcriptional state of the region. Defects in XPA is the reason of xeroderma pigmentosum complementation group A (XP-A), which is infrequent human autosomal recessive disease which characterized by solar sensitivity, high predisposition for developing cancers on areas exposed to sunlight, also may cause to neurological abnormalities.

Product Info

Amount :	20 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	XPA protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMAAADGA LPEAAALEQP AELPASVRAS IERKRQRALM LRQARLAARP YSATAAAATG GMANVKAAPK IIDTGGGFIL EEEEEEEQKI GKVVHQPGPV MEFDYVICEE CGKEFMDSYL MNHFDLPTCD NCRDADDKHK LITKTEAKQE YLLKDCDLEK REPPLKFIVK KNPHHSQWGD MKLYLKLQIV KRSLEVWGSQ EALEEAKEVR QENREKMKQK KFDKKVKELR RAVRSSVWKR ETIVHQHEYG PEENLEDDMY RKTCTMCGHE LTYEKM .

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