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XPA Human

Catalog #:PRPS-033

For research use only.

Description: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.

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

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSMAAADGA LPEAAALEQP AELPASVRAS IERKRQRALM LRQARLAARP YSATAAAATG GMANVKAAPK IIDTGGGFIL EEEEEEEQKI GKVVHQPGPV MEFDYVICEE CGKEFMDSYL MNHFDLPTCD NCRDADDKHK LITKTEAKQE YLLKDCDLEK REPPLKFIVK KNPHHSQWGD MKLYLKLQIV KRSLEVWGSQ EALEEAKEVR QE

Purity: Greater than 85.0% as determined by SDS-PAGE.

Formulation:
XPA protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.

Stability:
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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
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.

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