

Xeroderma Pigmentosum, Complementation Group A Human Recombi-

Item Number	rAP-3740
Synonyms	XP1, XPAC, DNA repair protein complementing XP-A cells.
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.
Uniprot Accession Number	P23025
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGSMAAADGA LPEAAALEQP AELPASVRAS IERKRQRALM LRQARLAARP YSATAAAATG GMANVKAAPK IIDTGGGFIL EEEEEEEQKI GKVVHQPGPV MEFDYVICEE CGKEFMDSYL MNHFDLPTCD NCRDADDDKHK LITKTEAKQE YLLKDCLEK REP- PLKFIVK KNPHHSQWGD MKLYLKLQIV KRSLEVWGSQ EALEEAKEVR QENREKMKQK KFDKKVKELR RAVRSSVWKR ETIVHQHEYG PEENLEDDMY RKTCTMCGHE LTYEKM .
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear solution. 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.
Formulation and Purity	XPA protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol. Greater than 85.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**