

Nei Endonuclease VIII-Like 1 Human Recombinant

Item Number	rAP-1069
Synonyms	Endonuclease 8-like 1, DNA glycosylase/AP lyase Neil1, DNA-(apurinic or apyrimidinic site) lyase Neil1, Endonuclease VIII-like 1, FPG1, Nei homolog 1, NEH1, Nei-like protein 1, NEIL1, NEI1, hFPG1.
Description	NEIL1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 410 amino acids (1-390) and having a molecular mass of 45.8kDa. NEIL1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q96FI4
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MPEGPELHLA SQFVNEACRA LVFGGCVEKS SVSRNPEVPF ES-SAYRISAS ARGKELRLIL SPLPGAQPPQ EPLALVFRFG MSGSFQLVPR EELPRHAHLR FYTAPPGPRL ALCFVDIRRF GRWDLGGKWQ PGRGPCVLQE YQQFRENVLR NLADKAFDRP ICEALLDQRF FNGIGNYLRA EILYRLKIPP FEKARSVLEA LQQHRPSPEL TLSQKIRTKL QNPDLLELCH SVPKEVVQLG GKGYGSESGE EDFAAFRAWL RCYGMPGMSS LQDRHGRTIW FQGDPGPLAP KGRKSRKKKS KATQL-SPEDR VEDALPPSKA PSRTRAKRD LPKRTATQRP EGTSLQQDPE APTVPPKGRR KGRQAASGHC RPRKVKADIP SLEPEGTSAS.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless 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	The NEIL1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl, 1mM DTT and 0.1mM PMSF. Greater than 90.0% 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**