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SMUG1, 1-270aa, Human, His tag, E.coli

产品货号: TP03972

第三版

别名:Single-strand-selective monofunctional uracil-DNA glycosylase, FDG, HMUDG, UNG3

描述:Single-strand-selective monofunctional uracil-DNA glycosylase, also known as SMUG1, is a enzyme responsible for recognizing base lesions in the genome and initiating base excision DNA repair. This protein acts as a monofunctional DNA glycosylase specific for uracil (U) residues in DNA and has a preference for single-stranded DNA substrates. Recombinant human SMUG1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 30% glycerol, 1mM DTT

分子量:32.3 kDa (293aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSMPPQAFLLGSIHEPAGALMEPQPCPGSLAESFLEEELRLNAELSQLQFSEPVGIIYNPVE
YAWEPHRNYVTRYCQGPKEVFLGMNPGPFQMAQTGVVPGFVSMVRDWLGIVGPVLTTPPQEHKRPVGLGECQSEVS
GARFWGFFRNLCGQPEVFFHHCFVHNLCPFLFLAPSGRNLTPELPAKQREQLLGICDAALCRVQLLGVRLVVGVRGRL
AEQRARRALAGLMPEVQVEGLLHPSRNPQANKGWAVAKERLNELGLLPLLLK

纯度:> 95% by HPLC

浓度:0.5 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.