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Datasheet for ABIN5853288

UNG Protein (AA 1-229) (His tag)

1 Image

Overview

Quantity:	50 µg
Target:	UNG
Protein Characteristics:	AA 1-229
Origin:	E. coli
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This UNG protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SSSLVPRGSH MGSMANELTW HDVLAEEKQQ PYFLNLTQTV ASERQSGVTI YPPQKDFVNA FRFTELGDKV VVILGQDPYH GPGQAHGLAF SVRPGIAIPP SLLNMYKELE NTIPGFTRPN HGYLESWARQ GVLLLNTVLT VRAGQAHSHA SLGWETFTDK VISLINQHRE GVVFLWWSH AQKKGAIDK QRHHVVKAPH PSPLSAHRGF FGCNHFVLAN QWLEQRGETP IDWMPVLP AE SE
Purity:	> 90 % by SDS - PAGE

Target Details

Target:	UNG
Alternative Name:	ung (UNG Products)
Target Type:	Viral Protein

Target Details

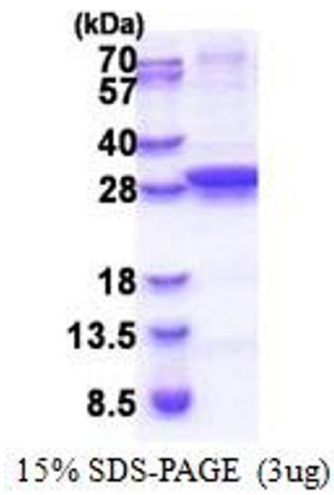
Background:	Ung, also known as uracil-DNA glycosylase, is to prevent mutagenesis by eliminating uracil from DNA molecules by cleaving the N-glycosylic bond and initiating the base-excision repair (BER) pathway. uracil bases occur from cytosine deamination or misincorporation of duMP residues. After a mutation occurs, the mutagenic threat of uracil propagates through any subsequent DNA replication steps. Recombinant E.coli ung protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Molecular Weight:	28.1 kDa(252aa) confirmed by MALDI-TOF
NCBI Accession:	NP_417075
UniProt:	P12295
Pathways:	DNA Damage Repair, Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Liquid. 20 mM Tris-HCl buffer (pH 8.0) containing 10 % glycerol
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE

Image 1.